# NOTICE TO
# FLOOD INSURANCE STUDY USERS

Individual components of this Flood Insurance Study (i.e., text, tables, profiles, and maps) are all subject to revision as additional data become available. Because revised components may be issued separately, study users should consult the community map repository for those components that are currently effective.

In cases where this Flood Insurance Study and any components thereof warrant revision, a Revisions Description section may be incorporated into this text. When applicable, study users should refer to the Revisions Description to obtain pertinent data and information concerning revisions.

# TABLE OF CONTENTS

## Table of Contents - Volume 1

Page

1.0 INTRODUCTION 1

1.1 Purpose of Study 1
1.2 Coordination 1
1.3 Authority and Acknowledgments 2

2.0 AREA STUDIED 2

2.1 Scope of Study 2
2.2 Community Description 6
2.3 Principal Flood Problems 10
2.4 Flood Protection Measures 10

3.0 ENGINEERING METHODS 30

3.1 Hydrologic Analyses 30
3.2 Hydraulic Analyses 37

4.0 FLOOD PLAIN MANAGEMENT APPLICATIONS 39

4.1 Flood Boundaries 39
4.2 Floodways 40

## Table of Contents - Volume 2

5.0 INSURANCE APPLICATION 115

5.1 Reach Determinations 116
5.2 Flood Hazard Factors 116
5.3 Flood Insurance Zones 116
5.4 Flood Insurance Rate Map Description 117

## TABLE OF CONTENTS (continued)

### Table of Contents - Volume 2 (continued)

Page

6.0 OTHER STUDIES 117

7.0 LOCATION OF DATA 131

8.0 BIBLIOGRAPHY AND REFERENCES 131

9.0 REVISIONS DESCRIPTION (Revised: July 17, 1986) 133

- 9.1 Purpose 133
- 9.2 Acknowledgments 133
- 9.3 Scope 133
- 9.4 Hydrologic and Hydraulic Analyses 133
- 9.5 Floodways 133
- 9.6 Other Studies 134
- 9.7 Location of Data 134
- 9.8 References and Bibliography 134

### FIGURES

Figure 1- Vicinity Map 3

Figure 2- 100-year Flood Projected on Bridge over Locust Fork at Church Street 11

Figure 3- 100-year Flood Projected on Bridge over Turkey Creek at Majestic Road 11

Figure 4- 100-year Flood Projected on Bridge over Turkey Creek at Pinson Clay Road 12

Figure 5- 100-year Flood Projected on Bridge over Self Creek at Southfield Road 12

Figure 6- 100-year Flood Projected on Bridge over Dry Creek at Private Drive 13

Figure 7- 100-year Flood Projected on Bridge over Unnamed Creek 9 at Red Hollow Road 13

## TABLE OF CONTENTS (continued)

### Table of Contents - Volume 2 (continued)

Page

Figure 8- 100-year Flood Projected on Bridge over Unnamed Creek 10 and Private Drive 14

Figure 9- 100-year Flood Projected on Bridge over Unnamed Creek 11 at Pinson-Chalkville Road 14

Figure 10- 100-year Flood Projected on Bridge over Fivemile Creek at Mineral Springs Road 15

Figure 11- 100-year Flood Projected on Bridge over Fivemile Creek at Highway 79 15

Figure 12- 100-year Flood Projected on Bridge over Newfound Creek at Newfound Road 16

Figure 13- 100-year Flood Projected on Bridge over Barton Branch at Highway 29 16

Figure 14- 100-year Flood Projected on Bridge over Tarrant Springs Branch at Killough Springs Road 17

Figure 15- 100-year Flood Projected on Bridge over Dry Creek at Bruceter Road 17

Figure 16- 100-year Flood Projected on Bridge over Unnamed Creek 23 at Unnamed Dirt Road 18

Figure 17- 100-year Flood Projected on Bridge over Village Creek at Old Highway 78 19

Figure 18- 100-year Flood Projected on Bridge over Village Creek at N. 75th Street 19

Figure 19- 100-year Flood Projected on Bridge over Corbet Branch at St. Louis and San Francisco Railroad 20

Figure 20- 100-year Flood Projected on Bridge over Second Creek at Pratt Highway 20

Figure 21- 100-year Flood Projected on Bridge over Valley Creek at Highway 54 21

Figure 22- 100-year Flood Projected on Bridge over Valley Creek at John-Adger Road 21

## TABLE OF CONTENTS (continued)

### Table of Contents - Volume 2 (continued)

Page

Figure 23- 100-year Flood Projected on Bridge over Fivemile Creek at U.S. Highway 11 22

Figure 24- 100-year Flood Projected on Bridge over Unnamed Creek 38 at 4th Avenue 22

Figure 25- 100-year Flood Projected on Bridge over Opossum Creek at 15th Street 23

Figure 26- 100-year Flood Projected on Bridge over Unnamed Creek 41 at 18th Avenue 23

Figure 27- 100-year Flood Projected on Bridge over Unnamed Creek 45 at Southern Railroad 24

Figure 28- 100-year Flood Projected on Bridge over Shades Creek at Parkwood Drive 25

Figure 29- 100-year Flood Projected on Bridge over Shades Creek at Greensprings Highway 25

Figure 30- 100-year Flood Projected on Bridge over Little Shades Creek at Highway 150 26

Figure 31- 100-year Flood Projected on Bridge over Cahaba River at Cahaba Heights Road 27

Figure 32- 100-year Flood Projected on Bridge over Cahaba River at Old Springfield Road 27

Figure 33- 100-year Flood Projected on Bridge over Patton Creek on Grounds of Green Valley Country Club 28

Figure 34- 100-year Flood Projected on Bridge over Little Shades Creek at Gonneds Road 28

Figure 35- 100-year Flood Projected on Bridge over Little Cahaba River at Grants Mill Road 29

Figure 36- 100-year Flood Projected on Bridge over Pinchgut Creek at Mary Taylor Road 29

Figure 37- Floodway Schematic 115

## TABLE OF CONTENTS (continued)

### Table of Contents - Volume 2 (continued)

Page

### TABLES

Table 1- Summary of Discharges 32

Table 2- Floodway Data 41

Table 3- Flood Insurance Zone Data 118

### EXHIBITS

Exhibit 1 - Flood Profiles

Ward Mill Creek Panels 01P-02P
Unnamed Creek 2 Panel 03P
Locust Fork (Lower Branch) Panel 04P
Locust Fork (Upper Branch) Panel 05P
Turkey Creek (Lower Branch) Panels 06P-09P
Turkey Creek (Upper Branch) Panels 10P-14P
Self Creek Panels 15P-16P
Dry Creek (Warrior River Basin) Panels 17P-18P
Unnamed Creek 8 Panel 19P
Unnamed Creek 9 Panel 20P
Unnamed Creek 10 Panel 21P
Unnamed Creek 11 Panel 22P
Fivemile Creek (Fivemile Creek Basin) Panels 23P-38P
Unnamed Creek 13 Panel 39P
Newfound Creek Panels 40P-41P
Black Creek (Fivemile Creek Basin) Panels 42P-44P
Barton Branch Panel 45P
Tarrant Springs Branch Panels 46P-48P
Dry Creek (Fivemile Creek Basin) Panels 49P-51P
Unnamed Creek 23 Panel 52P
Village Creek Panels 53P-61P
Corbet Branch Panels 62P-63P
Camp Branch Panels 64P-65P
Second Creek Panels 66P-67P
Black Creek (Village Creek Basin) Panels 68P-69P
Unnamed Creek 31 Panel 70P
Unnamed Creek 32 Panels 71P-72P
Unnamed Creek 34 Panel 73P

### Table of Contents - Volume 3

Valley Creek Panels 74P-87P

## TABLE OF CONTENTS (continued)

### Table of Contents - Volume 3 (continued)

Fivemile Creek (Valley Creek Basin) Panels 88P-90P
Halls Creek Panels 91P-92P
Unnamed Creek 38 Panels 93P-94P
Opossum Creek Panels 95P-97P
Unnamed Creek 40 Panel 98P
Unnamed Creek 41 Panels 99P-100P
Unnamed Creek 45 Panel 101P
Unnamed Creek 46 Panel 102P
Unnamed Creek 48 Panel 103P
Unnamed Creek 49 Panel 104P
Nabors Branch Panels 105P-106P
Shades Creek Panels 107P-117P
Little Shades Creek (Shades Creek Basin) Panels 118P-123P
Cahaba River Panels 124P-141P
Patton Creek Panels 142P-145P
Little Shades Creek (Cahaba River Basin) Panels 146P-150P
Little Cahaba River Panels 151P-153P
Dry Creek (Cahaba River Basin) Panels 154P-155P
Stinking Creek Panels 156P-159P
Pinchgut Creek Panels 160P-163P

Exhibit 2 - Flood Boundary and Floodway Map Index
Exhibit 3 - Flood Boundary and Floodway Map

PUBLISHED SEPARATELY:

Flood Insurance Rate Map Index
Flood Insurance Rate Map

# FLOOD INSURANCE STUDY
# UNINCORPORATED AREAS OF JEFFERSON COUNTY, ALABAMA

## 1.0 INTRODUCTION

### 1.1 Purpose of Study

This Flood Insurance Study investigates the existence and severity of flood hazards in the unincorporated areas of Jefferson County, Alabama, and aids in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. This study will be used to convert Jefferson County to the regular program of flood insurance by the Federal Emergency Management Agency (FEMA). Local and regional planners will use this study in their efforts to promote sound flood plain management.

In some states or communities, flood plain management criteria or regulations may exist that are more restrictive or comprehensive than those on which these Federally-supported studies are based. These criteria take precedence over the minimum Federal criteria for purposes of regulating development in the flood plain, as set forth in the Code of Federal Regulations at 24 CFR, 1910.1 (d). In such cases, however, it shall be understood that the state (or other jurisdictional agency) shall be able to explain these requirements and criteria.

### 1.2 Coordination

Community base map selection and the identification of streams requiring detailed study were agreed to in meetings attended by personnel of the U.S. Geological Survey (USGS), the Federal Emergency Management Agency (FEMA) and officials of the County in May-June 1976. The areas for detailed study were reviewed by FEMA in May-June 1976, the limits were updated by FEMA in September 1976, and were confirmed in the contract with Betz-Converse-Murdoch-Inc. (BCM) on September 27, 1976. Hydrologic analyses and flood profiles for streams in six stream basins (Shades River Basin, Cahaba River Basin, Village Creek Basin, Valley Creek Basin, Fivemile Creek Basin and Warrior River Basin) within Jefferson County were coordinated with those being developed concurrently or developed previously by the U.S. Army Corps of Engineers. There are several previous flood insurance studies for streams in Jefferson County which were coordinated with this study (Section 6.0).

During the course of the work by Betz-Converse-Murdoch-Inc., flood elevations, flood boundaries and floodway delineations were reviewed with community, county and state officials. On February 12, 1980, the results of the work were reviewed at a final coordination meeting attended by personnel of BCM, the Federal Emergency Management Agency and officials of Jefferson County.

### 1.3 Authority and Acknowledgments

The source of authority for this Flood Insurance Study is the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

The hydrologic and hydraulic analyses for this study were performed by Betz Converse Murdoch Inc., for the Federal Emergency Management Agency, under Contract No. H-4034. This work, which was completed in March 1979, covered all significant flooding sources in the unincorporated areas of Jefferson County, Alabama.

## 2.0 AREA STUDIED

### 2.1 Scope of Study

This Flood Insurance Study covers the unincorporated area of Jefferson County, Alabama. The area of study is shown on the Vicinity Map (Figure 1).

Areas not included in the scope of study are either undeveloped, contain watersheds draining less than one square mile, or are areas where the terrain is such that the 100-year base flood would be contained within the present ravine.

Those streams studied in detail are:

Warrior Basin

1. Ward Mill Creek from its confluence with Locust Fork of the Black Warrior River to its headwaters.

2. Unnamed Creek 2 from its confluence with Ward Creek to its headwaters.

3. Portions of Locust Fork (Lower branch) extending for approximately 0.75 mile above and below the confluence with Ward Mill Creek.

4. A portion of Locust Fork (Upper branch) from one mile below the confluence of Turkey Creek with Locust Fork and extending to a point 1600 feet upstream from the Church Street Bridge at Warrior, Alabama.

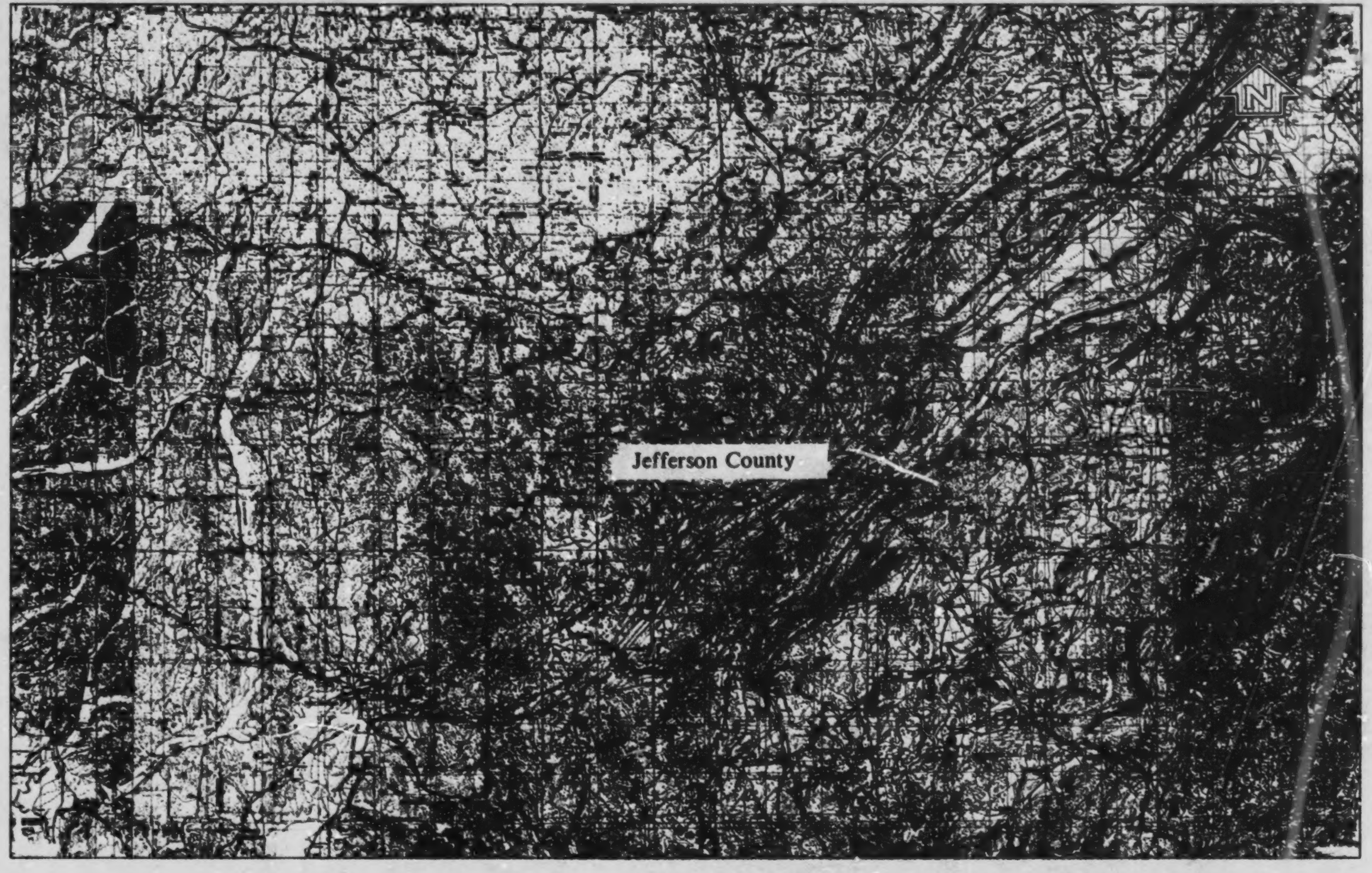

N
Jefferson County

**FIGURE 1**

FEDERAL EMERGENCY MANAGEMENT AGENCY

## JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

APPROXIMATE SCALE

12 0 12 24 36 MILES

## VICINITY MAP

5. Turkey Creek extending from its confluence wtih Locust Fork to its headwaters exclusive of approximately seven miles between the Bradford-Crosstow Road and one-half mile downstream from Alabama Highway 79.

6. Self Creek from the Louisville and Nashville Railroad crossing approximately 10 miles above the confluence of Self Creek with Gurley Creek and extending to its headwaters.

7. Dry Creek, a tributary of Turkey Creek, from its confluence with Turkey Creek to its headwaters.

8. Unnamed Creek 8 its confluence with Dry Creek to its headwaters.

9. Unnamed Creek 9 from its confluence with Turkey Creek to its headwaters.

10. Unnamed Creek 10 from its confluence to its headwaters.

11. Unnamed Creek 11 from its confluence to its headwaters.

### Fivemile Basin

1. Fivemile Creek from a point 1.4 miles above its confluence with Locust Fork to its headwaters.

2. Unnamed Creek 13 from its confluence with Fivemile Creek to the corporate limit of Graysville.

3. Newfound Creek from its confluence with Fivemile Creek to its headwaters.

4. Black Creek from its confluence with Fivemile Creek to its headwaters.

5. Barton Branch from its confluence with Fivemile Creek to its headwaters.

6. Tarrant Springs Branch from its confluence with Fivemile Creek to its headwaters.

7. Dry Creek from its confluence with Fivemile Creek to its headwaters.

8. Unnamed Creek 23 from its confluence with Fivemile Creek to its headwaters.

### Village Creek Basin

1. Village Creek from its intersection with the line between R-4-W and R-5-W to the Birmingham City Limits.
2. Corbet Branch from its confluence with Village Creek to its headwaters.
3. Camp Branch from its confluence with Village Creek to its headwaters.
4. Second Creek from its confluence with Village Creek to its headwaters.
5. Black Creek from its confluence with Village Creek to its headwaters.

### Valley Creek Basin

1. Valley Creek (a tributary of the Black Warrior River) from a point 5 ft. below a bridge at Oak Grove to the Birmingham city limits.
2. Fivemile Creek from its confluence with Valley Creek to its headwaters.
3. Halls Creek from its confluence with Valley Creek to its headwaters.
4. Unnamed Creek 38 from its confluence with Halls Creek to its headwaters.
5. Opossum Creek from its confluence with Valley Creek to its headwaters.
6. Unnamed Creek 40 from its confluence with Opossum Creek to its headwaters.
7. Unnamed Creek41 from its confluence with Valley Creek to its headwaters.
8. Unnamed Creek 45 from its confluence with Valley Creek to its headwaters.

### Shades Basin

1. Shades Creek from the point at which it enters Jefferson County at its southern boundary to the headwaters of Shades Creek.
2. Little Shades Creek from its confluence with Shades Creek to its headwaters.

### Cahaba River Basin

1. The Cahaba River from the point at which it enters Jefferson County at its southern boundary to the point at which its headwaters leave Jefferson County at the northeastern boundary.
2. Patton Creek from its confluence with the Cahaba River to its headwaters.
3. Little Shades Creek from its confluence with the Cahaba River to its headwaters.
4. Little Cahaba River from the point at which it enters Jefferson County on Lake Purdy to its headwaters about one mile north of the County boundary at Leeds.
5. Dry Creek from its confluence with Little Cahaba River to its headwaters in Leeds.
6. Stinking Creek from its confluence with the Cahaba River to its headwaters.
7. Pinchgut Creek from it confluence with the Cahaba River to its headwaters.

Flooding on smaller streams in undeveloped parts of the city and shallow flooding caused by ponding of runoff were studied by approximate methods by Gannett, Fleming, Corddry and Carpenter, Inc. The approximate study areas in some instances are superseded by this detailed study.

## 2.2 Community Description

Jefferson County is situated in the north-central portion of Alabama and is bounded by Walker, Blount, St. Clair, Shelby, Tuscaloosa and Bibb Counties. The 1970 census data showed a population of 644,991.

Jefferson County is Alabama's sixth largest county, containing some 1,075 square miles. Jefferson County is located in the foothills of the Appalachian Mountains. The primary topographic features include a series of parallel ridges and valleys ranging in elevation from 300 to 1,200 feet above sea level. These ridges traverse the county in a northeasterly-southwesterly direction.

Shades Mountain (elevation 1,150 feet) is found in the southeastern portion of the county. To the north and west of Shades Mountain lies Red Mountain (elevation 950 feet). Between these major mountains is Shades Valley, which is in turn split by a low ridge known as Little Shades Mountain. To the north and west of Red Mountain lies Sand Mountain (elevation 700 feet).

Between the Red Mountain and Sand Mountain formation, lie Jones and Opossum Valleys. These valleys are in turn divided by a low ridge known as Enon Ridge or West Red Mountain to the northeast and Flint Ridge to the southwest. Opossum Valley is also known as Pinson Valley in its northeasterly extremity. Both Jones and Opossum Valleys are wide, flat bottomed valleys, but Shades Valley is characterized by steep valley walls and a narrow valley floor.

The major streams flowing through Jefferson County are tributaries of the Cahaba and Warrior Rivers. Shades Creek flows southwesterly the length of Shades Valley into the Cahaba River. Little Shades Creek and Patton Creek also flow southward from Shades Mountain into the Cahaba River. Valley Creek flows southeasterly through Jones Valley to a point west of Bessemer, then sweeps westerly to the Warrior River. Village Creek flows southwesterly along the floor of Opossum Valley to Ensley, from the Pinson Valley into the Warrior River. In addition, there are numerous other tributaries of these streams that follow this same generally westward flow. This stream pattern affects land development by providing a framework for trunk sewer placement within the various drainage basins.

Jefferson County has a moderate climate with mild winters. The average annual temperature within the county is 63 degree F. The annual rainfall averages 54 inches. The temperature is rarely low enough to cause frost penetration to depths greater than six inches.

The County has slopes ranging from 0 to 20 percent. Forty-eight percent of the land is in the 0-10 percent slope range, 16 percent in the 10-20 percent slope range and 36 percent of the land has a slope of 20 percent or more. Areas of relatively level land are concentrated in the Jones, Opossum, Pinson and Shades Valleys.

The U.S. Department of Agriculture, Soil Conservation Service classification of major soils in Jefferson County is as follows:

| Soil Group Number | Description of Soils |
|---|---|
| 1. | Undulating and rolling, deep, loamy, upland soils formed in colluvium. Major soils are Allen and Holston. Slopes generally range from 2 to 10 percents. |

2. Undulating and hilly, deep, clayey, upland soils formed in chert and limestone residuum. Major soils are Decatur and Fullerton. Slopes generally range from 2 to 15 percent.

3. Rolling, deep, clayey, upland soils formed in sandstone residuum. The major soil is Hanceville. Slopes generally range from 2 to 10 percent.

4. Undulating and rolling, moderately deep, loamy, upland soils formed in sandstone residuum. Major soils are Hantsells and Linker. Slopes generally range from 2 to 10 percent.

5. Rolling and hilly, moderately deep, slowly permeable, clayey soils formed in limestone residuum. Major soils are Townley, Enders and Albertville. Slopes generally range from 2 to 15 percent.

6. Nearly level and undulating, moderately deep, slowly permeable, clayey soils formed in limestone residuum. Major soils are Colbert, Talbott and Dowellton. Slopes generally range from 0 to 6 percent.

7. Hilly, shallow, loamy upland soils formed in sandstone and shale residuum. Major soils are Hector and Montevallo. Slopes generally range from 0 to 6 percent.

8. Steep, cherty upland soils formed in chert residuum. Major soils are Bodine and Fullerton. Hector soils occur on the mountain portion of this soil group. Slopes generally range from 15 to 45 percent.

9. Steep, shallow, loamy upland soils formed in sandstone and shale residuum. Major soils are Hector and Montevallo. Slopes generally range from 15 to 55 percent.

10. Nearly level to undulating bottom land soils and wet upland soils with fragipans. Major soils are Chewacla, Congaree, Lobelville, Locust and Leadvale. Other soils are Augusta, Grasmere, Lee, Mantachie, Guthrie, Quitman and Sequatchie. Slopes are generally 0 to 4 percent.

These generalized soil groups have somewhat similar interpretations for most land uses. For commercial and industrial purposes, soil groups 1, 2, 4, 5 and 6 have favorable relatively flat slopes. Soil groups 5 and 6 have clayey textures which affect their bearing strength to a greater degree than in soil groups 1, 2, 3 and 4. Soil groups 7, 8 and 9 have relatively steep slopes. Soil groups 7 and 9 are rather shallow to shale or hard sandstone bedrock. The soils in group 10 occur primarily on depressions and in flood plains.

Soils in groups 1, 2, 4 and 5 have generally favorable slope characteristics for residential uses. Performance of septic tank absorption fields is affected by the slow permeability of the soils in groups 5 and 6, the shallow depths to rock in soil groups 7 and 9, the steep slopes of soils in groups 8 and 9, and the soil wetness or flooding hazard of the soils in group 10.

Soils in groups 1, 2, 4, 5, 6 and 10 have slopes and productive potential suited to many agricultural uses. Agricultural uses of soils in groups 7, 8 and 9 are adversely affected by steep slopes. However, the soils in these groups are fairly suited to timber production and woodland wildlife.

The relative proportions of the county covered by the various major soil groups are as follows:

Major Soil Groups Coverage, Jefferson County, Alabama

| Soil Group I | Acres | Square Miles | Percent of County |
|---|---|---|---|
| Soil Group 1 | 275.2 | .43 | 0.04 |
| Soil Group 2 | 52,286.0 | 81.7 | 7.6 |
| Soil Groups 1 & 4 | 13,759.5 | 21.5 | 2.5 |
| Soil Groups 1, 4, 5, and 10 | 18,575.3 | 29.0 | 2.7 |
| Soil Groups 4 & 5 | 96,416.4 | 150.5 | 14.0 |
| Soil Groups 4 & 7 | 4,127.9 | 6.4 | 0.60 |
| Soil Group 6 | 26,143.0 | 40.8 | 3.8 |
| Soil Group 8 | 44,030.4 | 668.8 | 6.46 |
| Soil Group 9 | 420,666.7 | 657.6 | 60.3 |
| Soil Group 10 | 11,695.6 | 18.27 | 2.0 |
| Total | 687,976 | 1,075 | 100.0 |

Jefferson County is geologically underlaid by deposits of sandstone, shale, chert, dolomite and limestone. The Hartselle sandstone is a stable rock with a high weight bearing capacity, often occurring in steep terrain. The Red Mountain formation, consisting of sandstone, shale and hematite beds, contains many load bearing and excavation similarities to the Hartselle sandstone. QTG consists of terrace gravels and sand generally offering a relatively stable foundation for construction, as contrasted to QAL which consists of alluvial flood plain deposits of questionable value because of their location. These geological formations, except for QAL, run along the crest of the entire Red Mountain ridge and spread out in patchy deposits in the northeastern portion of the county.

Paralleling these formations are deposits of the Fort Payne chert, a mixture of chert and limestones. The Fort Payne chert is known to be a relatively good foundation material although it is somewhat susceptable to water solution subsidance.

The Pottsville formation, the dominant formation in Jefferson County, consists of sandstones, shales and coal deposits. This group of foundation materials accounts for over 64 percent of the bedrock in Jefferson County.

The Pottsville formation is characterized by clayey soils having a high shrink-swell tendency. This formation does not have a high load bearing capacity, but the problem characteristics of the material are predictable.

The Parkwood formation is a combination of clay shales and sandstone, while the Floyd shale is a black or gray shale with much fine-grained gray and green sandstones. Like the Pottsville formation, these shales have exhibited problems related to their bearing capacity and slope stability. Copper Ridge dolomite is chiefly dolomite containing much very tough, angular chert. Copper Ridge dolomite has foundation qualities similar to the Fort Payne chert.

Shales, dolomites and limestones are found in Jefferson County predominantly along the Jones, Opossum, Pinson and Shades Valley floors. The limestones are even more susceptable to ground water solution than are the dolomites. In this humid climate, with a high water table, the tendency to be subject to ground water solution might lead to subsidance (erosion) and some chance of collapse. "Sinkhole" problems have occurred along the area of the proposed interchange of I-459 and I-65 in the Greenwood area.

## 2.3 Principal Flood Problems

Flooding has occurred at various times in each of the six basins studied. The lowland areas are most frequently flooded. The greatest financial damage has occurred in more densely populated unincorporated as well as incorporated areas. Major flooding is generally attributable to heavy rains associated with tropical storms. Flooding due to inadequate drainage structures was not studied. Figures 2-36 show future flood heights at various bridges in Jefferson County.

## 2.4 Flood Protection Measures

Not many of the incorporated communites nor much of the unincorporated areas are storm sewered. The major exception is the City of Birmingham which is almost completely storm sewered. The road and street drainage systems, to a degree, do constitute storm sewering. Major highways have lined drainage channels while the lesser roadways generally do not have lined drainage ditches.

The lakes, smaller ponds and swamp areas do offer some drainage during storms.

Fig. 2
Church St. bridge over
Locust Fork
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 3
Majestic Road bridge over
Turkey Creek
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 4
Pinson Clay Road bridge
over Turkey Creek
UPSTREAM FACE OF BRIDGE

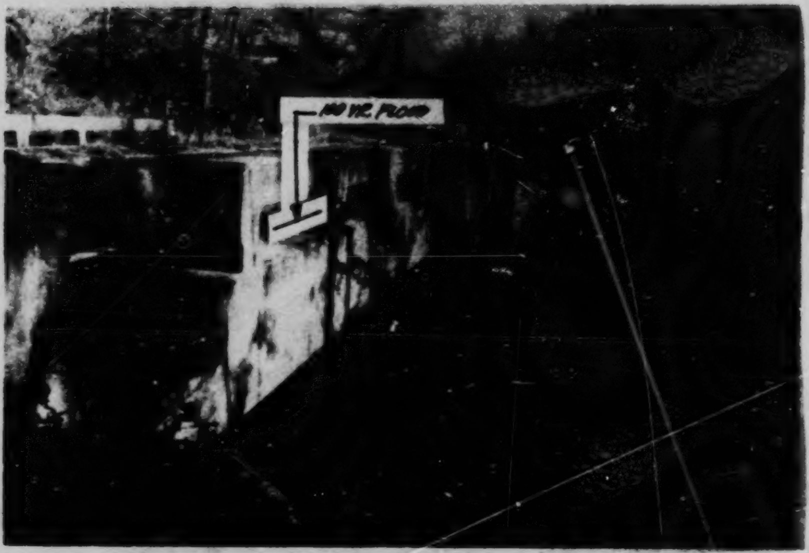
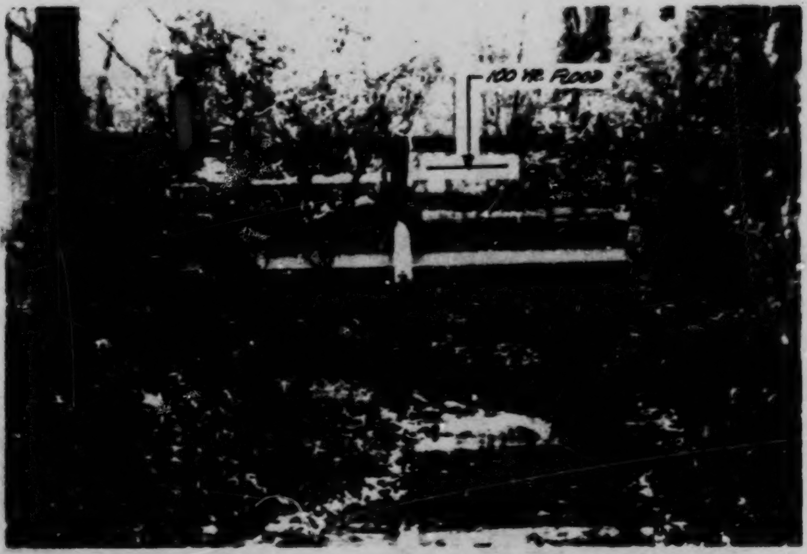

100 YR. FLOOD

Fig. 5
Southfield Road bridge over
Self Creek
UPSTREAM FACE OF BRIDGE


100 YR. FLOOD

[illegible]
[illegible] Drive over Dry Creek
[illegible] FACE OF BRIDGE

Fig. 7
Red Hollow Road bridge over unnamed tributary (stream 9) of Turkey Creek

100 YR. FLOOD APPROX 19" ABOVE ROAD

Fig. 8
Private Drive over unnamed tributary (stream 10) of Turkey Creek
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 9
Pinson-Chalkville Road bridge over unnamed tributary (stream 11) of Turkey Creek
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD IS APPROX 17" ABOVE RD.

BEST COPY AVAILABLE

Fig. 10

Mineral Springs Rd. bridge
over Five Mile Creek
UPSTREAM FACE OF BRIDGE

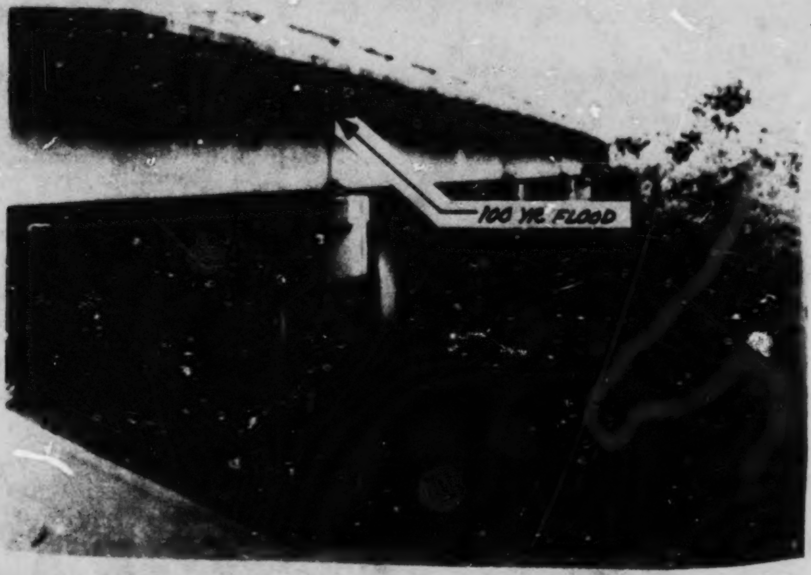
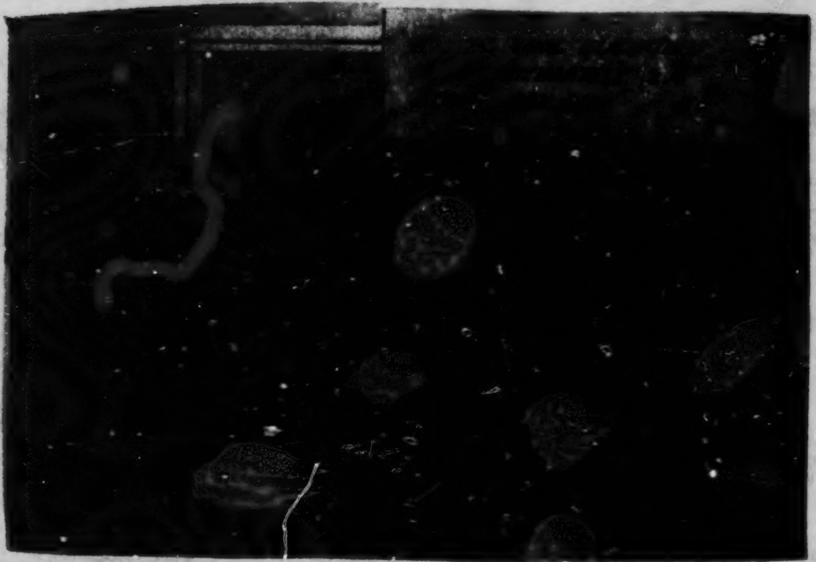


Fig. 11

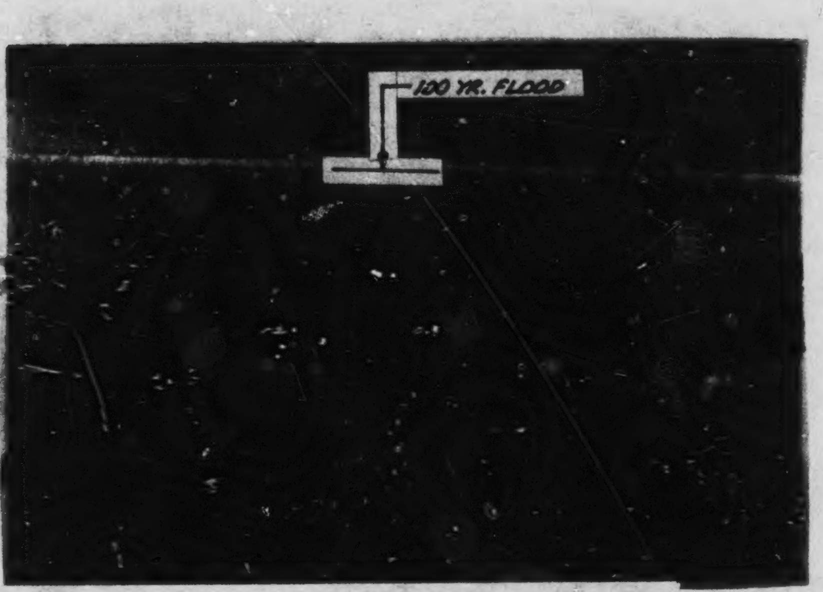
Highway # 79 bridge
over Five Mile Creek
UPSTREAM FACE OF BRIDGE



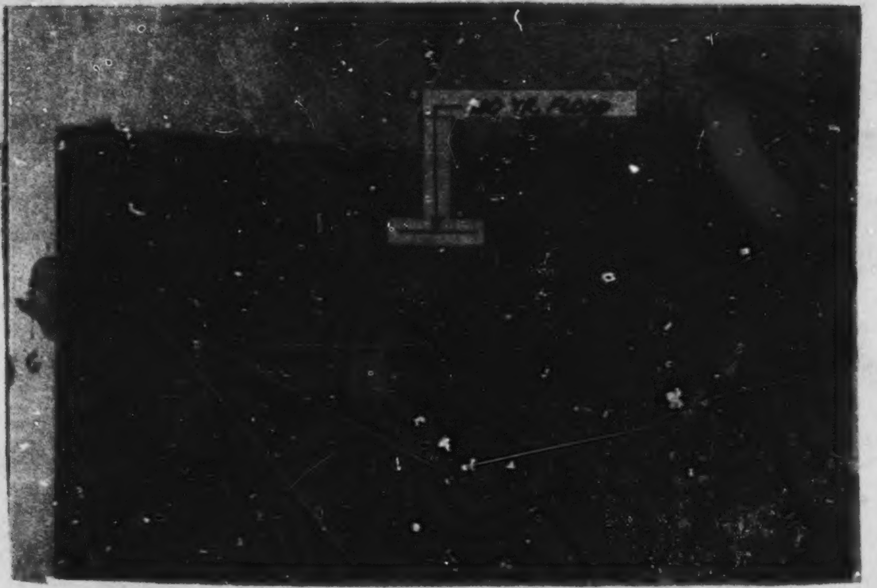
[illegible]

100 YR. FLOOD ELEVATION
IS APPROXIMATELY 3'
ABOVE TOP OF RAILING

Fig. 13
Highway # 29 bridge
over Barton Branch
UPSTREAM FACE OF BRIDGE


100 YR. FLOOD

[illegible]
[illegible] Rd. bridge
over [illegible] Branch
[illegible] BRIDGE


100 YR. FLOOD

|Fig. 15|
Brucster Rd. bridge
over Dry Creek
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 16
Unnamed Dirt Rd. bridge
over unnamed tributary of Five Mile Creek (stream 23)
UPSTREAM FACE OF BRIDGE

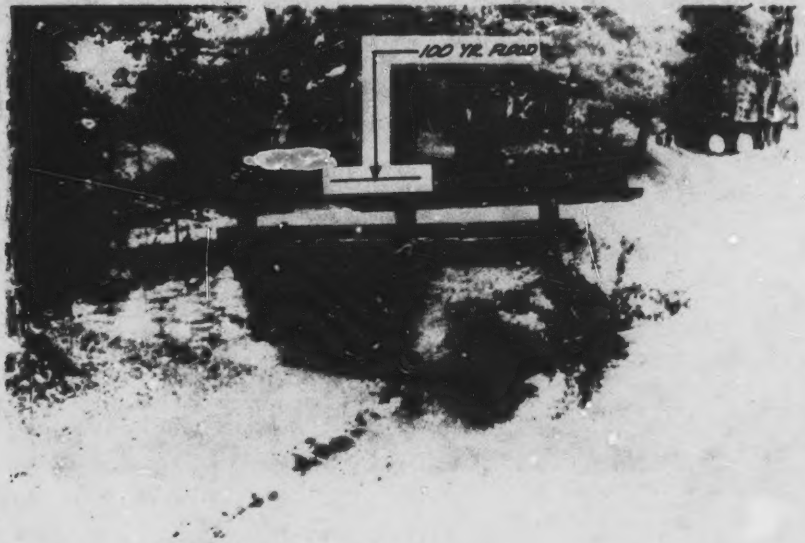

100 YR. FLOOD

Fig. 17
Old Highway # 78 bridge
over Village Creek
UPSTREAM FACE OF BRIDGE

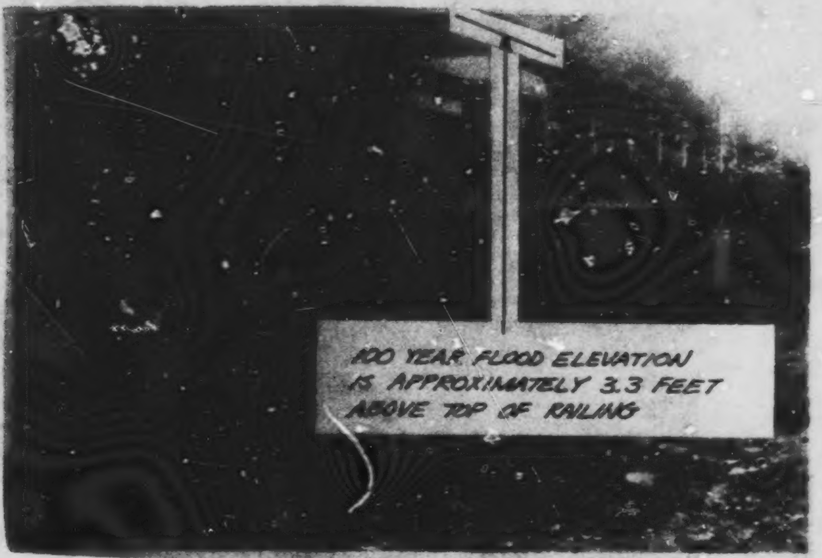

100 YEAR FLOOD ELEVATION
IS APPROXIMATELY 3.3 FEET
ABOVE TOP OF RAILING

Fig. 18
North 75th St. Birmingham bridge
over Village Creek
UPSTREAM FACE OF BRIDGE

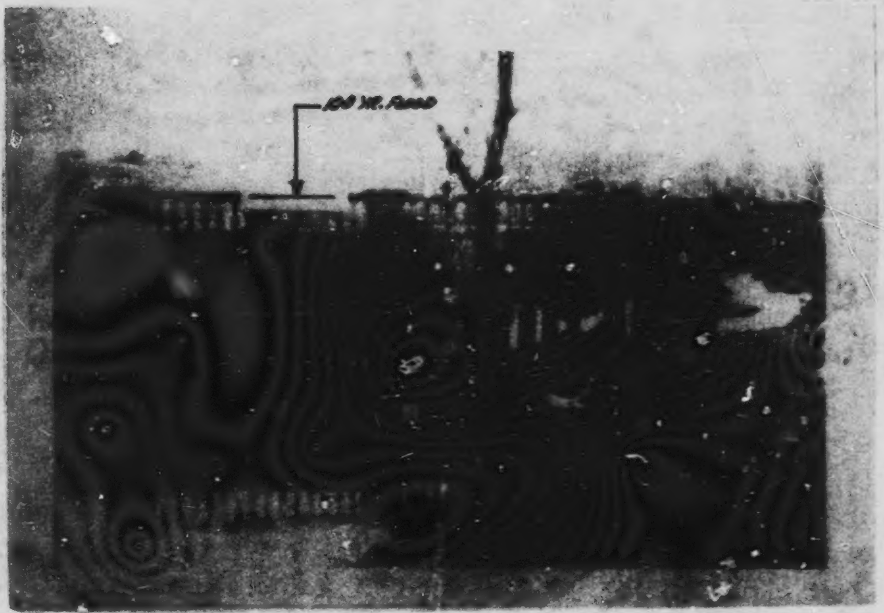

100 YR. FLOOD

Fig. 19
St. Louis & San Fransisco R. R.
bridge over Corbet Branch
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 20
Pratt Highway bridge
over Second Creek
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 21

Highway # 54 bridge
over Valley Creek
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 22

John-Adger Rd. bridge
over Valley Creek
UPSTREAM FACE OF BRIDGE

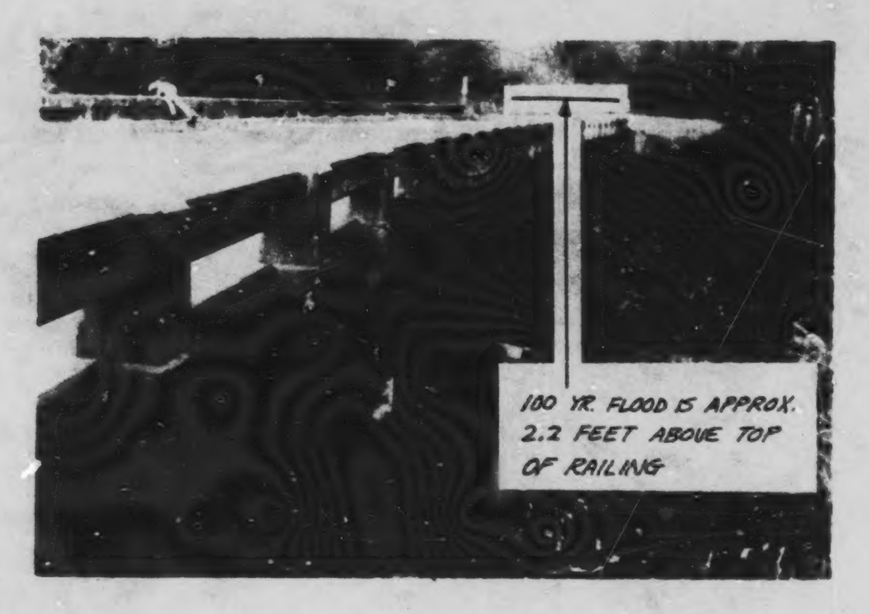

100 YR. FLOOD IS APPROX.
2.2 FEET ABOVE TOP
OF RAILING

Fig. 23
U. S. Highway 11 bridge
over Five Mile Creek (trib.
of Valley Creek)
UPSTREAM FACE OF BRIDGE

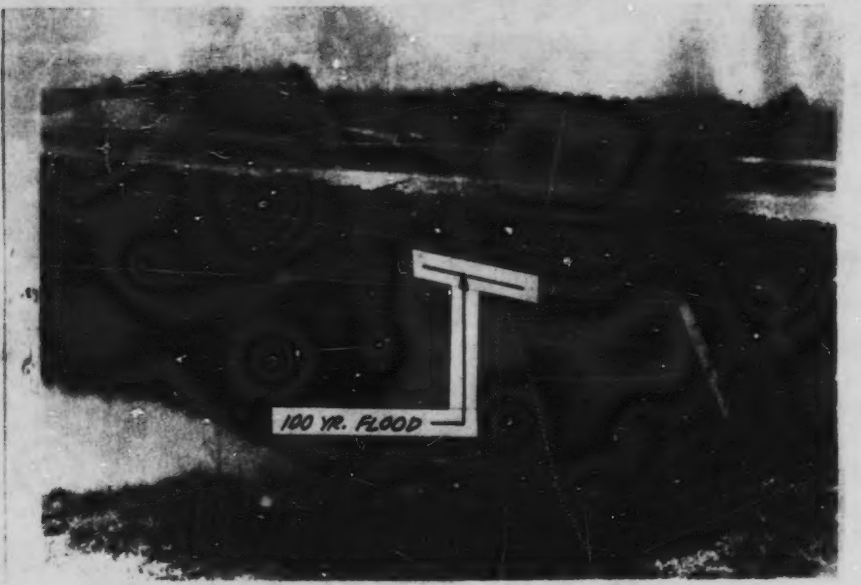

100 YR. FLOOD

Fig. 24
4th Ave. bridge over
unnamed tributary of Valley Cr. (stream 38)
UPSTREAM FACE OF BRIDGE

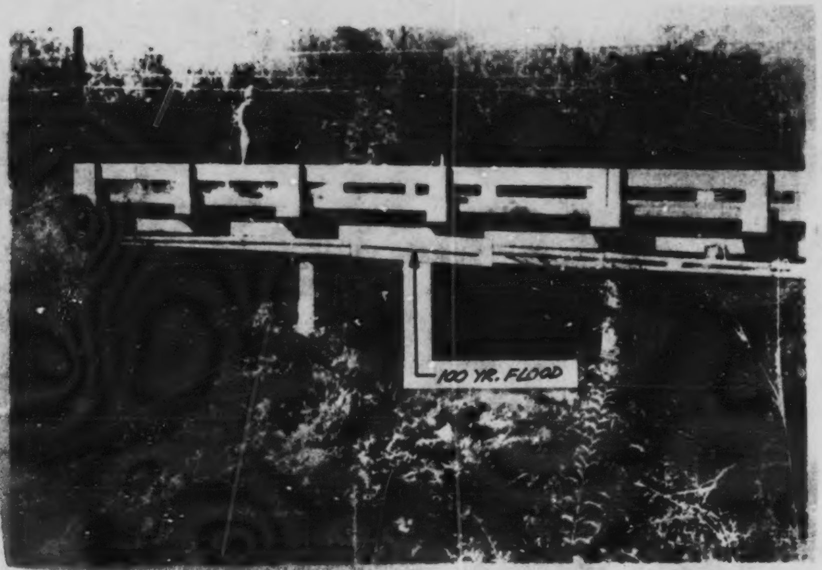

100 YR. FLOOD

Fig. 25
15th St. bridge over Opossum Cr.
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Fig. 26
18th Ave. bridge over Unnamed
Tributary of Valley Creek (stream 41)
UPSTREAM FACE OF BRIDGE

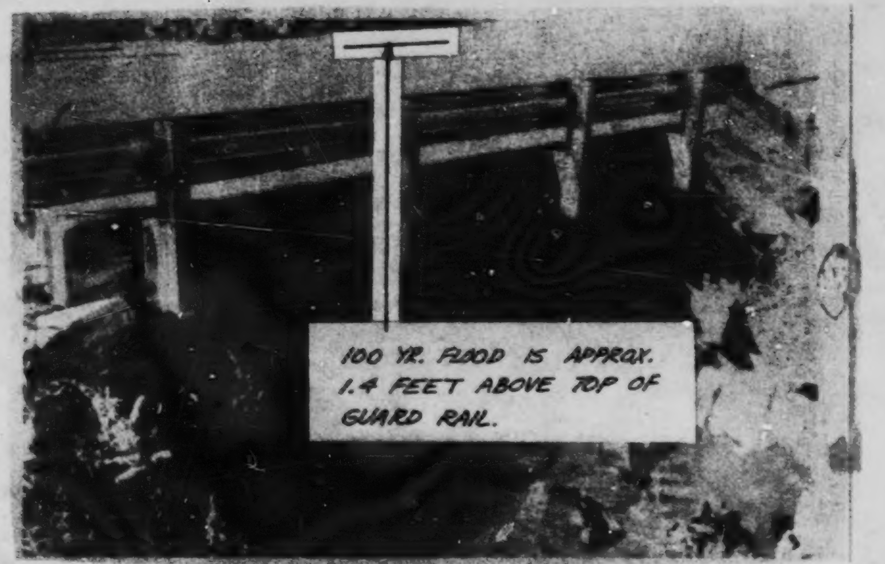

100 YR. FLOOD IS APPROX.
1.4 FEET ABOVE TOP OF
GUARD RAIL.

Fig. 27

Southern Railroad bridge
over Unnamed Tributary of Valley Creek (stream 45)
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD 6" ABOVE TRACK

Fig. 28
Parkwood Drive bridge
over Shades Creek
UPSTREAM FACE OF BRIDGE

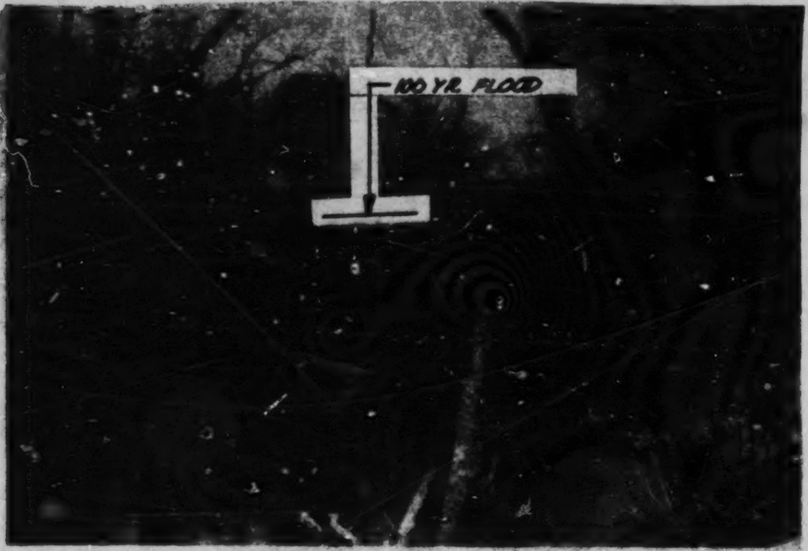

100 YR. FLOOD

Fig. 29
Greensprings Highway bridge
over Shades Creek
UPSTREAM FACE OF BRIDGE

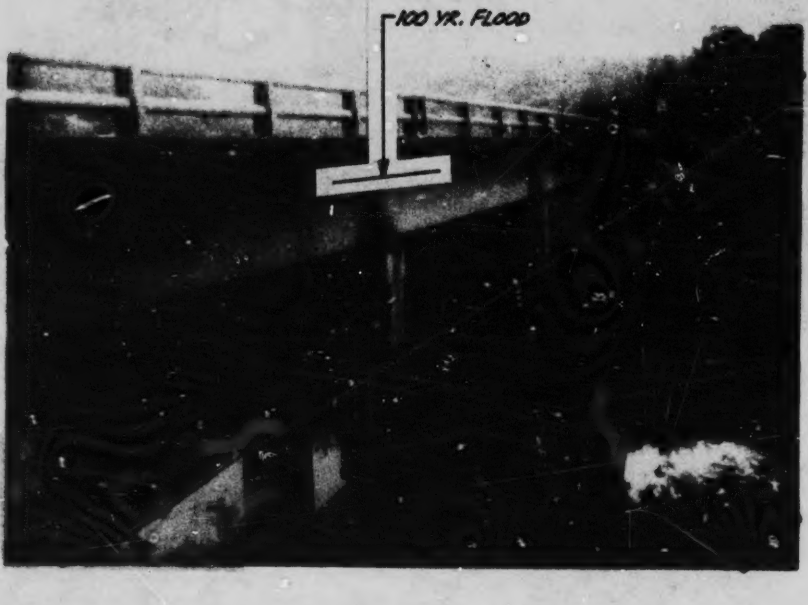

100 YR. FLOOD

Fig. 30
Highway # 150 bridge over
Little Shades Creek (trib. of
Shades Creek)
UPSTREAM FACE OF BRIDGE

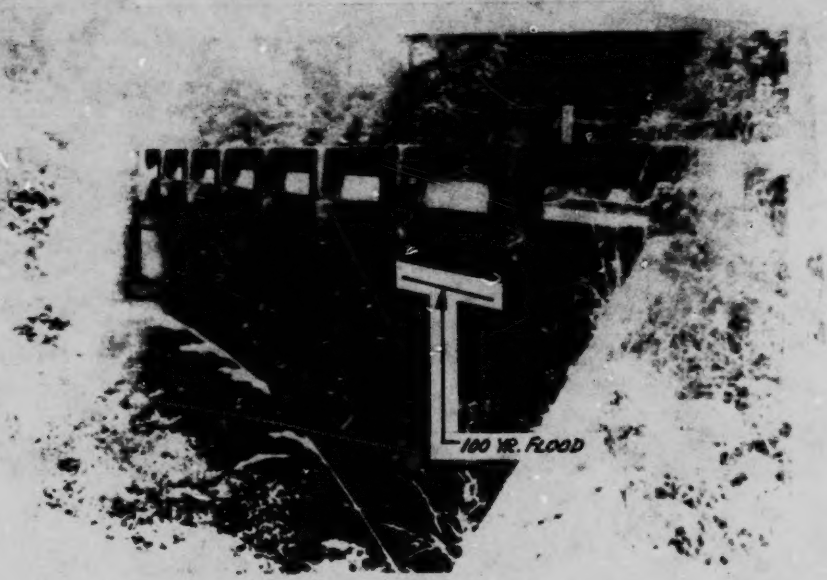

100 YR. FLOOD

Fig. 31

Cahaba Heights Rd. bridge
over Cahaba River
UPSTREAM FACE OF BRIDGE

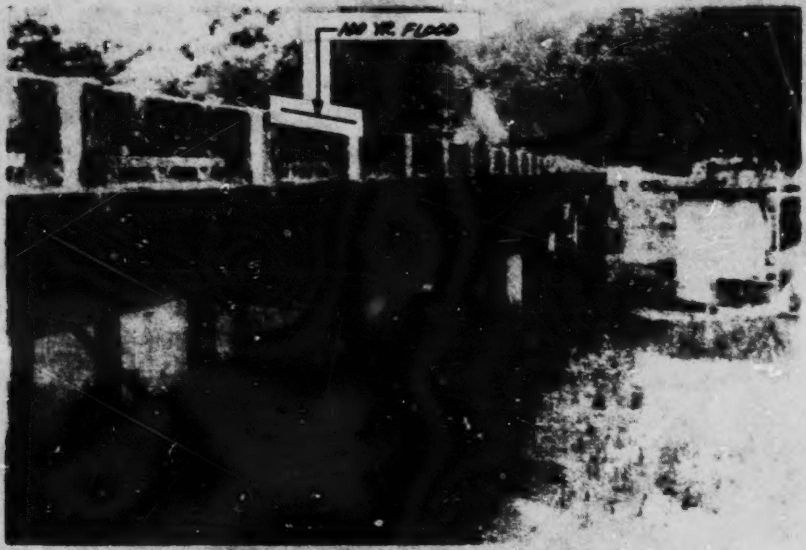

100 YR. FLOOD

Fig. 32

Old Springville Rd. bridge
over Cahaba River
UPSTREAM FACE OF BRIDGE

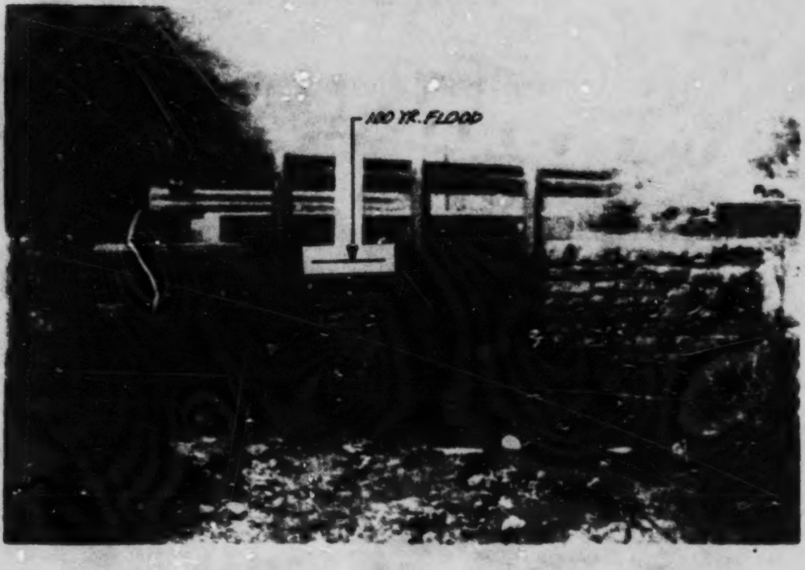

100 YR. FLOOD

Fig. 33
Bridge over Patton Cr.
situated on grounds of Green Valley
Country Club
UPSTREAM FACE OF BRIDGE

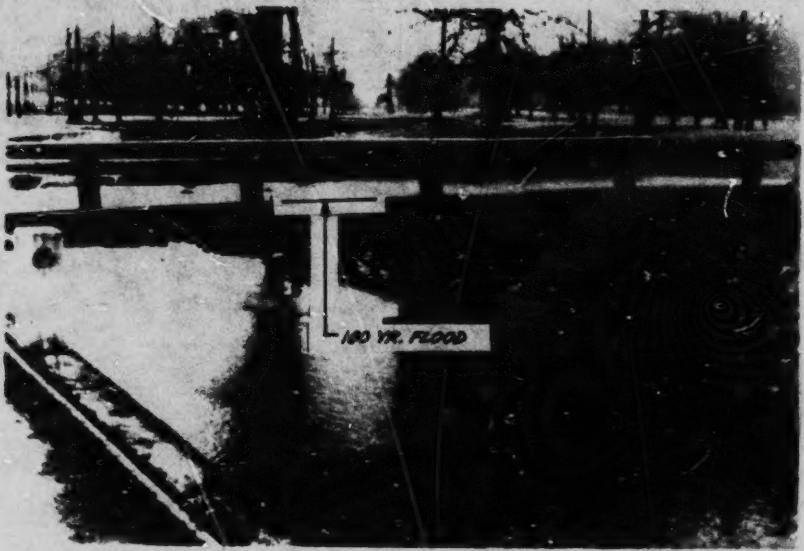
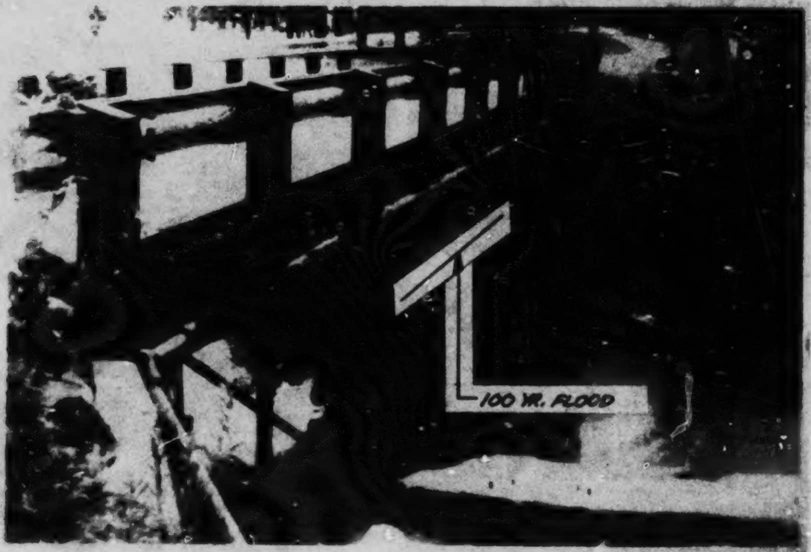


Fig. 34
Gonneds Rd. bridge
over Little Shades Creek (tributary
of Cahaba River)
UPSTREAM FACE OF BRIDGE



BEST COPY AVAILABLE

Fig. 35
Grants Mill Road bridge
over Little Cahaba River
DOWNSTREAM FACE OF BRIDGE

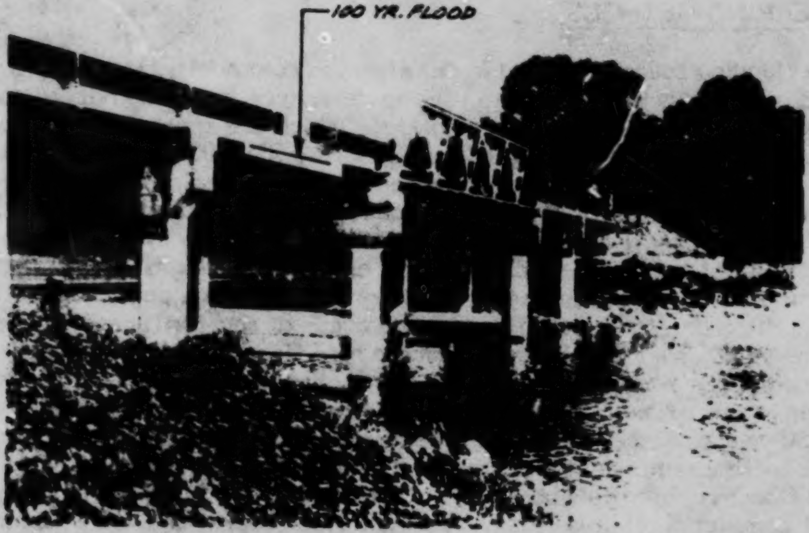

100 YR. FLOOD

Fig. 36
Mary Taylor Rd. bridge
over Pinchgut Creek
UPSTREAM FACE OF BRIDGE

100 YR. FLOOD

Other than those items mentioned above and flood protection measures taken by private developers, there are no major flood protection measures underway or planned.

## 3.0 ENGINEERING METHODS

For the flooding sources studied in detail in the community, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this study. Flood events of a magnitude which are expected to be equalled or exceeded once on the average during any 10-, 50-, 100-, and 500-year period (recurrence intervals), have been selected as having special significance for flood plain management and for flood insurance premium rates. These events, commonly termed the 10-, 50-, 100-, and 500-year floods, have a 10, 2, !, and 0.2 percent chance, respectively, of being equalled or exceeded during any year. Although the recurrence interval represents the long term, average period between floods of a specific magnitude, rare floods could occur at short intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than one year are considered. For example, the risk of having a flood which equals or exceeds the 100-year flood (one percent chance of annual occurrence) in any 50 year period is about 40 percent (four in 10), and for any 90 year period, the risk increases to about 60 percent (six in 10). The analyses reported here reflect flooding potentials based on conditions existing in the community at the time of completion of this study. Maps and flood elevations will be amended periodically to reflect future changes.

### 3.1 Hydrologic Analyses

Hydrologic analyses were carried out to establish peak discharge-frequency relationship for floods on those portions of the streams which were studied in detail with the exception of a large portion of the mainstream of Village Creek and a small portion of Shades Creek near Homewood, for which the Corps of Engineers study was used (Section 6.0).

For this study, a log-Pearson Type III analysis was employed. The basis for the analysis is a report entitled "Floods in Alabama, Magnitude and Frequency Based on Data through September 30, 1971," published in 1973 by C. F. Hain (Reference 1) of the USGS. In his study, Mr. Hains fitted the log-Pearson Type III distribution to the annual maximum discharges for 209 gaged sites in Alabama and 44 selected sites in adjacent states. The results of the log-Pearson analysis were regressed against such parameters as drainage areas, channel slope, storage and angle of main channel. A set of equations were developed which were used to estimate flood discharges up to a 100-year recurrence interval for ungaged sites with drainage areas as small as one square mile. Since it was necessary to compute the 500-year flood discharges, standard curve-fitting techniques are applied to Hains' coefficients to estimate the appropriate 500-year recurrence interval coefficients.

Hains' equations apply to rural areas. Since many of the areas in Jefferson County are urbanized, flow using these equations were adjusted. The adjustment was done by applying the procedures published by V. B. Sauer of the U.S. Gelogical Survey in a report entitled "An Approach to Estimating Flood Frequencies for Urban Areas in Oklahoma," 1974 (Reference 2). The keny parameters in Sauer's procedure are percent of the area storm sewered and percent imperious cover. Estimates of impervious cover were obtained by using a regression equation which relates population and employment densites to percent impervious cover. This regression equation was developed by BCM for the U.S. Environmental Protection Agency in a report entitled Planning Methodologies for anlysis of Land Use/Water Quality Relationships," October 1976 (Reference 3). The equation was developed with data from Pennsylvania and Oklahoma.

To determine if this equation applied in Jefferson County, Alabama, comparison estimates were made by using the equation with those obtained using a grid-counting technique on aerial photographs of Jefferson County. Ten aerial photographs were used. Each photograph covered approximately three square miles of land area. In selecting photographs for use, particular attention was paid to including all types of urban land use categories. It was found that the regression equation compared very favorably with the grid-counting technique. The average difference in the estimates is 2.5 percent, and the standard deviation of those differences is approximately 6 percent.

To learn the extent of the storm sewering, officials of Jefferson County and members of the U.S. Gelogical Survey Service Office in Tuscaloosa, Alabama, were interviewed. Both groups agree that with the exception of the City of Birmingham, storm sewering in Jefferson County is virtually non-existent. Even though storm sewering *per se* is not practiced outside the City of Birmingham, some improvements to drainage patterns generally occur through the process of urbanization. Other agencies doing similar studies throughout Alabama do consider improvement to drainage as an integral process of urbanization. To account for this relationship, it was assumed that the percent of the area influenced by improved drainage equals the percent of the impervious cover.

The discharges for Valley Creek were computed using Hains' and Savers' parameters and a log-Pearson type III analysis of USGS gage #0246200, located near Oak Grove. An equation was developed to estimate the discharges at points upstream of the Oak Grove gage. The discharges were computed as a function of the Oak Grove discharges, area, slope and Sauers' urbanization factor.

The COE Mobile District, prepared a detailed flood study entitled "Special Flood Hazard Information Report on Shades Creek in the Vicinity of Birmingham, Alabama." The date of the report is October 1974 (Reference 4).

The hydrologic analysis of the report establishes a peak discharge-frequency relationship for floods with a recurrence interval of 100 years. Basic data used in the report include information on rainfall, runoff, known flood heights and surveyed valley cross sections and bridge data, corrected for conditions extisting through June 1973.

An independent hydrologic analyses were made for the Shades Creek as part of the study of Jefferson County under BCM-HUD, FEMA contract H-4034. A comparison of the techniques show some variation in the final results but did not indicate any anomolies, discrepancies or errors. Concurrence was established and 100-year flow values of the COE 1974 (Reference 4) report were used for this detailed study of the Shades Creek at Irondale and some unincorporated areas upstream and downstream of Irondale.

There are two previously published reports which deal with the hydrology of Shades Creek. In 1972, the COE published a Flood Insurance Study for the City of Homewood, Alabama, which included an analysis of Shades Creek. In 1976, Mr. Albert Knight of the USGS published a report entitled "Urbanization and Flooding, Shades Creek Basins, Jefferson County, Alabama" (Reference 5). Mr. Knight was asked by the Jefferson County Commissioner to investigate the flooding potential of Shades Creek, assuming that the basin was 100 percent urbanized. As Mr. Knight acknowledges, these assumptions represent some future condition, as the basin, at present, is not fully urbanized.

The peak discharge-drainage area relationships for the selected recurrence intervals are presented in Table 1, "Summary of Discharges."

TABLE 1 - SUMMARY OF DISCHARGES

| FLOODING SOURCE AND LOCATION | DRAINAGE AREA (sq. miles) | PEAK DISCHARGES (cfs) 10-YEAR | 50-YEAR | 100-YEAR | 500-YEAR |
|---|---|---|---|---|---|
| WARD MILL CREEK | | | | | |
| Warrior Road | 10.88 | 4,220 | 6,680 | 7,880 | 11,440 |
| UNNAMED CREEK 2 | | | | | |
| Private Road | 1.86 | 1,130 | 1,830 | 2,190 | 3,200 |
| LOCUST FORK | | | | | |
| US Highway 31 | 706.18 | 43,000 | 62,000 | 69,000 | 90,000 |
| TURKEY CREEK | | | | | |
| US Highway 31 | 80.79 | 13,470 | 21,220 | 25,010 | 36,200 |
| Old Bradford Road | 25.88 | 7,240 | 11,380 | 13,410 | 19,370 |
| Pinson-Clay Road | 8.01 | 3,240 | 5,160 | 6,100 | 8,870 |

TABLE 1 - SUMMARY OF DISCHARGES - cont.

| FLOODING SOURCE AND LOCATION | DRAINAGE AREA (sq. miles) | PEAK DISCHARGES (cfs) | | | |
|---|---|---|---|---|---|
| | | 10-YEAR | 50-YEAR | 100-YEAR | 500-YEAR |
| SELF CREEK | | | | | |
| Louisville and Nashville Railroad | 3.90 | 2,120 | 3,360 | 3,960 | 5,740 |
| Brookwood Road | 1.34 | 1,220 | 1,900 | 2,240 | 3,200 |
| South Field Road | 0.99 | 980 | 1,540 | 1,820 | 2,590 |
| DRY CREEK (Warrior River Basin) | | | | | |
| Faucett Road | 3.87 | 2,130 | 3,430 | 4,090 | 6,000 |
| UNNAMED CREEK 8 | | | | | |
| Confluence with Dry Creek | 1.76 | 1,350 | 2,180 | 2,590 | * |
| UNNAMED CREEK 9 | | | | | |
| Alabama Highway 75 | 9.21 | 2,960 | 4,540 | 5,300 | 7,410 |
| Red Hollow Road | 1.94 | 1,020 | 1,550 | 1,810 | 2,540 |
| Johnson Road | 0.42 | 410 | 630 | 730 | 1,030 |
| UNNAMED CREEK 10 | | | | | |
| Glenbrook Drive | 6.03 | 2,830 | 4,410 | 5,180 | 7,440 |
| Brumbeloe Drive | 2.00 | 1,450 | 2,240 | 2,620 | 3,750 |
| Saturn Lane | 1.66 | 1,280 | 1,980 | 2,320 | 3,310 |
| UNNAMED CREEK 11 | | | | | |
| Center Point Road | 3.72 | 2,040 | 3,160 | 3,720 | 5,270 |
| Pinson to Chalkville Road | 2.63 | 1,710 | 2,660 | 3,140 | 4,460 |
| FIVEMILE CREEK (Fivemile Creek Basin) | | | | | |
| Highway 78 | 95.36 | 14,340 | 22,600 | 26,760 | 38,660 |
| Cardiff Road | 79.45 | 13,340 | 21,000 | 24,860 | 35,910 |
| Gardendale Road | 62.91 | 11,600 | 18,190 | 21,520 | 31,000 |
| Coalburg Road | 50.40 | 10,740 | 16,750 | 19,790 | 28,410 |
| U.S. Highway 31 | 32.17 | 8,280 | 12,830 | 15,130 | 21,630 |
| Springdale Drive | 25.38 | 7,220 | 11,200 | 13,220 | 18,920 |
| Wood Street | 11.33 | 4,800 | 7,210 | 8,440 | 11,810 |
| Highway 75 | 7.05 | 2,980 | 4,690 | 5,560 | 8,030 |
| UNNAMED CREEK 13 | | | | | |
| Confluence with Fivemile Creek | 1.20 | 920 | 1,420 | 1,650 | * |
| NEWFOUND CREEK | | | | | |
| Southern Railroad | 15.35 | 3,920 | 6,280 | 7,460 | 10,880 |
| Newfound Road | 7.67 | 2,790 | 4,440 | 5,270 | 7,660 |

*No data available

## TABLE 1 - SUMMARY OF DISCHARGES - cont.

| FLOODING SOURCE AND LOCATION | DRAINAGE AREA (sq. miles) | PEAK DISCHARGES (cfs) | | | |
|---|---|---|---|---|---|
| | | 10-YEAR | 50-YEAR | 100-YEAR | 500-YEAR |
| BLACK CREEK (Fivemile Creek Basin) | | | | | |
| Walker Chapel Road | 9.02 | 3,010 | 4,800 | 5,700 | 8,300 |
| Stouts Road | 4.45 | 2,110 | 3,360 | 3,980 | 5,790 |
| New Castle Road | 1.85 | 1,260 | 2,000 | 2,380 | 3,470 |
| BARTON BRANCH | | | | | |
| Highway 79 | 3.08 | 1,670 | 2,670 | 3,170 | 4,610 |
| Pawnee Road | 1.68 | 1,120 | 1,810 | 2,180 | 3,190 |
| TARRANT SPRINGS BRANCH | | | | | |
| Killough Springs Road | 3.61 | 1,990 | 3,090 | 3,650 | 5,240 |
| Marlin Springs Road | 1.79 | 1,320 | 2,040 | 2,420 | 3,460 |
| Carson Road | 0.91 | 830 | 1,280 | 1,520 | 2,170 |
| DRY CREEK (Fivemile Creek Basin) | | | | | |
| Old Springville Road | 2.89 | 1,690 | 2,700 | 3,200 | 4,670 |
| Westbridge Drive | 2.25 | 1,410 | 2,260 | 2,680 | 3,930 |
| Carraway Street | 0.26 | 310 | 500 | 600 | 800 |
| UNNAMED CREEK 23 | | | | | |
| Lawson Road | 1.39 | 1,160 | 1,770 | 2,070 | 2,890 |
| VILLAGE CREEK | | | | | |
| Porter Road | 78.59 | 11,480 | 18,240 | 21,450 | 31,230 |
| Adamsville to Ensley Road | 53.40 | 11,000 | 16,600 | 19,300 | 27,300 |
| Southern Railroad | 37.00 | 8,200 | 10,600 | 11,800 | 15,500 |
| CORBET BRANCH | | | | | |
| Raytown Road | 2.01 | 1,400 | 2,210 | 2,620 | 3,790 |
| Old Highway 78 | 0.69 | 690 | 1,100 | 1,300 | 1,880 |
| CAMP BRANCH | | | | | |
| Mulga Loop Road | 7.55 | 1,640 | 2,510 | 2,910 | 3,850 |
| Denmark Avenue | 5.57 | 2,310 | 3,540 | 4,130 | 5,830 |
| Inverness Street | 4.94 | 2,280 | 3,490 | 4,060 | 5,740 |
| SECOND CREEK | | | | | |
| St. Louis and San Francisco Railroad | 4.06 | 1,560 | 2,400 | 2,800 | 3,730 |
| Pratt Highway | 2.76 | 1,650 | 2,610 | 3,070 | 4,400 |
| Mulberry Road | 0.80 | 720 | 1,140 | 1,340 | 1,930 |

TABLE 1 - SUMMARY OF DISCHARGES - cont.

| FLOODING SOURCE AND LOCATION | DRAINAGE AREA (sq. miles) | PEAK DISCHARGES (cfs) | | | |
|---|---|---|---|---|---|
| | | 10-YEAR | 50-YEAR | 100-YEAR | 500-YEAR |
| **BLACK CREEK (Village Creek Basin)** | | | | | |
| St. Louis and San Francisco Railroad | 6.57 | 2,670 | 3,520 | 3,940 | 4,990 |
| Old Pratt Highway | 5.82 | 2,710 | 3,760 | 4,300 | 5,360 |
| **VALLEY CREEK** | | | | | |
| Jefferson Co. Highway 54 | 144.72 | 14,030 | 20,650 | 23,980 | 33,170 |
| Powder Plant Road | 61.41 | 9,260 | 13,620 | 15,820 | 21,890 |
| Jaybird Road | 33.03 | 6,570 | 9,670 | 11,230 | 15,530 |
| Harmer Street | 30.78 | 6,310 | 9,280 | 10,780 | 14,910 |
| Midfield Road | 22.27 | 5,340 | 7,850 | 9,120 | 12,620 |
| **FIVEMILE CREEK (Valley Creek Basin)** | | | | | |
| Louisville and Nashville Road | 16.28 | 4,030 | 6,240 | 7,290 | 10,370 |
| Freeman Ave | 12.90 | 3,470 | 5,370 | 6,280 | 8,930 |
| Old Highway 11 | 3.56 | 1,480 | 2,300 | 2,690 | 3,830 |
| Eastern Valley Road | 0.73 | 490 | 760 | 890 | 1,260 |
| **HALLS CREEK** | | | | | |
| Louisville and Nashville Railroad | 2.18 | 1,430 | 2,160 | 2,520 | 3,540 |
| 5th Ave | 1.61 | 1,190 | 1,810 | 2,120 | 2,980 |
| Clarendon Ave | 0.90 | 780 | 1,210 | 1,420 | 2,010 |
| **UNNAMED CREEK 38** | | | | | |
| Tuscaloosa Road | 4.54 | 2,050 | 3,140 | 3,660 | 5,150 |
| 4th Ave | 3.64 | 1,840 | 2,800 | 3,270 | 4,600 |
| Division Street | 1.47 | 1,020 | 1,560 | 1,820 | 2,570 |
| **OPOSSUM CREEK** | | | | | |
| Woodward Iron Company Railroad | 7.75 | 2,990 | 4,570 | 5,350 | 7,530 |
| Valley Road | 2.92 | 1,420 | 2,230 | 2,630 | 3,740 |
| **UNNAMED CREEK 40** | | | | | |
| St. Louis and San Francisco Railroad | 3.55 | 1,650 | 2,580 | 3,030 | 4,300 |
| Hart Ave. | 0.93 | 770 | 1,200 | 1,400 | 1,960 |
| **UNNAMED CREEK 41** | | | | | |
| 18th Ave. | 1.94 | 1,400 | 2,100 | 2,450 | 3,440 |
| U.S. Highway 11 | 1.47 | 1,180 | 1,790 | 2,090 | 2,940 |
| 5th Ave | 1.13 | 1,000 | 1,520 | 1,770 | 2,510 |
| Carolina Terrace | 0.75 | 760 | 1,150 | 1,350 | 1,910 |

## TABLE 1 - SUMMARY OF DISCHARGES - cont.

| FLOODING SOURCE AND LOCATION | DRAINAGE AREA (sq. miles) | PEAK DISCHARGES (cfs) | | | |
|---|---|---|---|---|---|
| | | 10-YEAR | 50-YEAR | 100-YEAR | 500-YEAR |
| UNNAMED CREEK 45 | | | | | |
| Seaboard Coastline Railroad | 1.23 | 1,080 | 1,650 | 1,930 | 2,690 |
| Avenue K | 1.03 | 1,050 | 1 600 | 1,880 | 2,630 |
| 49th Street | 0.77 | 860 | 1,310 | 1,530 | 2,150 |
| SHADES CREEK | | | | | |
| Bluff Ridge Road | 79.00 | 7,800 | 13,530 | 16,100 | 23,330 |
| Interstate 65 | 26.82 | 7,590 | 13,140 | 15,640 | 22,670 |
| Highway 280 | 19.27 | 6,310 | 10,890 | 12,960 | 18,790 |
| Old Leeds Road | 14.11 | 4,580 | 7,970 | 9,480 | 13,720 |
| Seaboard Coastline Railroad | 5.72 | 2,470 | 3,590 | 4,170 | 5,700 |
| LITTLE SHADES CREEK (Shades Creek Basin) | | | | | |
| Highway 150 | 8.06 | 2,120 | 3,410 | 4,050 | 5,920 |
| Oxmoor to Ivenoah Road | 1.20 | 690 | 1,120 | 1,330 | 1,940 |
| CAHABA RIVER | | | | | |
| U.S. Highway 31 | 223.85 | 16,660 | 27,060 | 32,360 | 47,540 |
| Highway 280 | 191.44 | 15,590 | 25,410 | 30,440 | 44,790 |
| Highway 78 | 111.61 | 12,260 | 19,710 | 23,460 | 34,310 |
| Seaboard Coastline Railroad | 50.73 | 7,570 | 12,250 | 14,630 | 21,450 |
| Interstate 59 | 13.21 | 2,890 | 4,860 | 5,890 | 8,820 |
| Old Springville Road | 1.00 | 490 | 900 | 1,130 | 1,760 |
| PATTON CREEK | | | | | |
| Highway 150 | 16.85 | 3,600 | 5,730 | 6,820 | 10,000 |
| Creekview Drive | 7.00 | 2,840 | 4,390 | 5,160 | 7,380 |
| Westridge Drive | 1.18 | 970 | 1,510 | 1,770 | 2,540 |
| LITTLE SHADES CREEK (Cahaba River Basin) | | | | | |
| Rocky Ridge Road | 10.46 | 2,910 | 4,540 | 5,340 | 7,690 |
| Morgan Road | 7.05 | 2,350 | 3,650 | 4,300 | 6,180 |
| Cahaba Heights Road | 2.12 | 1,130 | 1,760 | 2,070 | 2,970 |
| LITTLE CAHABA RIVER | | | | | |
| Grants Mill Road | 36.29 | 4,430 | 7,450 | 9,070 | 13,560 |
| Highway 78 | 9.29 | 2,020 | 3,240 | 3,850 | 5,610 |
| Interstate 20 | 6.75 | 1,650 | 2,650 | 3,150 | 4,610 |

## TABLE 1 - SUMMARY OF DISCHARGES - cont.

| FLOODING SOURCE AND LOCATION | DRAINAGE AREA (sq. miles) | PEAK DISCHARGES (cfs) | | | |
|---|---|---|---|---|---|
| | | 10-YEAR | 50-YEAR | 100-YEAR | 500-YEAR |
| DRY CREEK (Cahaba River Basin) | | | | | |
| 11th Street | 3.97 | 1,440 | 2,300 | 2,740 | 3,970 |
| Shale Road | 2.86 | 1,180 | 1,880 | 2,240 | 3,250 |
| STINKING CREEK | | | | | |
| Southern Railroad | 10.48 | 1,830 | 3,130 | 3,770 | 5,600 |
| Seaboard Coastline Railroad | 5.39 | 950 | 1,610 | 1,930 | 2,900 |
| Alton Road | 1.87 | 800 | 1,250 | 1,470 | 2,110 |
| PINCHGUT CREEK | | | | | |
| Southern Railroad | 6.71 | 1,960 | 3,050 | 3,570 | 5,070 |
| Mary Taylor Road | 3.85 | 1,520 | 2,370 | 2,760 | 3,930 |
| Morrow Road | 3.75 | 1,500 | 2,340 | 2,730 | 3,880 |

### 3.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of the streams in the Shades, Cahaba, Village, Valley, Fivemile and Warrior Basins were performed to provide estimates of the elevations of floods of the selected recurrence intervals along the streams. The study was conducted by the detailed method.

Cross section data from the streams in the study area were generally obtained from a combination of field measurements for below-water contours and photogrammetrically for above-water contours. Cross sections were generally selected so that there would not be excessive conveyance changes between them nor more than 10 feet of flood water-surface elevation difference between them. Selected structures including all bridges, culverts, and dams with the potential of controlling flood elevations, were field surveyed to obtain elevation data and hydraulic geometry.

Roughness coefficients (Manning's "n") were generally estimated by using considerable engineering judgment in examining recent aerial and ground level photographs of the structures, the flood plains, and the stream channels. Particular attention was paid to "n" values as they related to known gage stages. The stream numbers, stream names, and range of Manning's "n" values for all streams in this community that were studied at least in part by detailed methods are as follows:

| Stream Number | Stream Name | Range of Manning's "n" Values | |
|---|---|---|---|
| | | Flood Plain | Channel |
| 01 | Ward Mill Creek | 0.08-0.14 | 0.026-0.06 |
| 02 | Unnamed Creek 2 | 0.05-0.14 | 0.04-0.05 |
| 03 | Locust Fork | 0.07-0.25 | 0.35-0.067 |
| 04 | Turkey Creek | 0.05-0.20 | 0.03-0.05 |
| 05 | Self Creek | 0.05-0.12 | 0.04-0.06 |
| 07 | Dry Creek | 0.05-0.14 | 0.04 |
| 08 | Unnamed Creek 8 | 0.07-0.14 | 0.04 |
| 09 | Unnamed Creek 9 | 0.05-0.13 | 0.04 |
| 10 | Unnamed Creek 10 | 0.05-0.12 | 0.04 |
| 11 | Unnamed Creek 11 | 0.04-0.12 | 0.04 |
| 12 | Fivemile Creek | 0.195-0.03 | 0.04 |
| 13 | Unnamed Creek 13 | 0.13 | 0.04 |
| 15 | Newfound Creek | 0.13 | 0.04 |
| 16 | Black Creek | 0.06-0.13 | 0.04 |
| 17 | Barton Branch | 0.09 | 0.04 |
| 18 | Tarrant Springs Branch | 0.06-0.15 | 0.03 |
| 20 | Dry Creek | 0.07-0.13 | 0.04 |
| 23 | Unnamed Creek 23 | 0.09-0.13 | 0.04 |
| 25 | Village Creek | 0.03-0.20 | 0.04-0.02 |
| 26 | Corbet Branch | 0.13 | 0.04 |
| 27 | Camp Branch | 0.05-0.13 | 0.04 |
| 28 | Second Creek | 0.05-0.13 | 0.04 |
| 30 | Black Creek | 0.10-0.13 | 0.04 |
| 35 | Valley Creek | 0.03-0.18 | 0.04-0.06 |
| 36 | Fivemile Creek | 0.07-0.16 | 0.04-0.05 |
| 37 | Halls Creek | 0.03-0.10 | 0.03-0.04 |
| 38 | Unnamed Creek 38 | 0.02-0.07 | 0.04-0.05 |
| 39 | Opossum Creek | 0.04-0.10 | 0.04 |
| 40 | Unnamed Creek 40 | 0.05-0.13 | 0.04 |
| 41 | Unnamed Creek 41 | 0.05-0.07 | 0.04 |
| 45 | Unnamed Creek 45 | 0.06-0.10 | 0.05 |
| 51 | Shades Creek | 0.04-0.13 | 0.04 |
| 52 | Little Shades Creek | 0.05-0.13 | 0.04 |
| 54 | Cahaba River | 0.05-0.202 | 0.04-0.062 |
| 55 | Patton Creek | 0.05-0.13 | 0.04 |
| 56 | Little Shades Creek | 0.07-0.13 | 0.04 |
| 57 | Little Cahaba River | 0.06-0.13 | 0.04 |
| 58 | Dry Creek | 0.05-0.13 | 0.04 |
| 59 | Stinking Creek | 0.05-0.13 | 0.04 |
| 61 | Pinchgut Creek | 0.06-0.13 | 0.04 |

Water-surface profiles were developed using the HEC-2 (Reference 6) standard-step models. Profiles were determined for the 10-, 50-, 100-, and 500-year floods. All starting water-surface elevations were either the backwater of a stream at a confluence or the result of more than 1,000 feet of step-backwater computations. The Manning coefficients were adjusted to provide close correlation of water-surface profiles with known water-surface elevation as determined from flood data taken at USGS gaging sites. For the Cahaba River, the Manning coefficients were also adjusted using high water information at the River Run Bridge for the April 1979 flood.

The locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles (Exhibit 1). Cross sections in this study are lettered to be continuous with the Flood Insurance Study for Jefferson County, Alabama. For stream segments for which a floodway is computed (Section 4.2), selected cross section locations are also shown on the Flood Boundary and Flood Map (Exhibit 3).

Flood profiles were drawn showing computed water-surface elevations to an accuracy of 0.5 foot for floods of the selected recurrence intervals (Exhibit 1).

All elevations used in this study are referenced to National Geodetic Vertical Datum of 1929 (NGVD); the elevation reference marks used in this study are shown and described on the maps.

Flood elevations may be raised by debris blockage of the streams in the study area. The hydraulic analyses for this study, however, are based only on the effect of unobstructed flow. The flood elevations as shown on the profiles are thus considered valid only if hydraulic structures in general remain unobstructed and do not fail.

## 4.0 FLOOD PLAIN MANAGEMENT APPLICATIONS

The National Flood Insurance Program encourages state and local governments to adopt sound flood plain management programs. Therefore, each Flood Insurance Study includes a flood boundary map designed to assist communities in developing sound flood plain management measures.

### 4.1 Flood Boundaries

In order to provide a national standard without regional discrimination, the 100-year flood has been adopted by FEMA as the base flood for purposes of flood plain management measures. The 500-year flood is employed to indicate additional areas of flood risk in the community. For each stream studied in detail, the boundaries of the 100- and the 500-year floods have been delineated using the flood elevations determined at each cross section; between cross sections, the boundaries were interpolated using limited planimetric maps at a scale of 1:500, with several contours in the flood plain at an approximate contour interval of five feet. Where the 100-year and the 500-year flood boundaries are close together, only the 100-year boundary has been shown. In cases where the 100- and the 500-year flood boundaries are close together, only the 100-year boundary has been shown.

Small areas within the flood boundaries may lie above the flood elevations; therefore, they would not be subject to flood. Owing to limitations of the map scale, such areas are not shown.

## 4.2 Floodways

Encroachment on flood plains, such as artificial fill, reduces the flood-carrying capacity, increases the flood heights of streams, and increases flood hazards in areas beyond the encroachment itself. One aspect of flood plain management involves balancing the economic gain from flood plain development against the resulting increase in flood hazard. For purposes of the National Flood Insurance Program, the concept of a floodway is used as a tool to assist local communities in this aspect of flood plain management. Under this concept, the area of the 100-year flood is divided into a floodway and a floodway fringe. The floodway is the channel of a stream plus any adjacent flood plain areas that must be kept free of encroachment in order that the 100-year flood may be carried without substantial increases in flood heights. Minimum standards of FEMA limit such increases in flood heights to 1.0 foot, provided that hazardous velocities are not produced. The floodways in this report are presented to local agencies as minimum standards that can be adopted or that can be used as a basis for additional studies.

The floodway proposed for this study was computed on the basis of equal conveyance reduction from each side of the flood plain.

As shown on the Flood Boundary and Floodway Map (Exhibit 3), the floodway boundaries were determined at cross sections; between cross sections, the boundaries were interpolated. Table 2 is a list of floodway data.

The area between the floodway and the boundary of the 100-year flood is termed the floodway fringe. The floodway fringe thus encompasses the portion of the flood plain that could be completely obstructed without increasing the water-surface elevation of the 100-year flood more than 1.0 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to flood plain development are shown in Figure 37.

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Ward Mill Creek | | | | | | | |
| A | 0.48 | 400 | 3,981 | 2.0 | 305.1[2] | 305.1[2] | 1.0 |
| B | 0.82 | 184 | 1,513 | 5.3 | 310.3[2] | 309.3[2] | 1.0 |
| C | 1.15 | 232 | 3,422 | 2.3 | 320.5[2] | 319.5[2] | 1.0 |
| D | 1.41 | 577 | 5,884 | 1.3 | 321.1[2] | 320.1[2] | 1.0 |
| E | 1.67 | 369 | 2,780 | 2.7 | 322.5[2] | 321.5[2] | 1.0 |
| F | 2.18 | 273 | 1,618 | 3.5 | 328.5 | 327.5 | 1.0 |
| G | 2.42 | 181 | 1,431 | 3.7 | 332.1 | 331.1 | 1.0 |
| H | 2.67 | 114 | 1,333 | 4.0 | 335.5 | 334.5 | 1.0 |
| I | 2.94 | 148 | 1,156 | 3.6 | 339.3 | 338.3 | 1.0 |
| J | 3.12 | 91 | 699 | 5.9 | 343.6 | 342.3 | 1.0 |
| K | 3.37 | 104 | 822 | 4.9 | 349.4 | 348.4 | 1.0 |
| L | 3.65 | 113 | 583 | 6.8 | 358.1 | 357.1 | 1.0 |
| M | 3.86 | 148 | 1,322 | 2.8 | 363.6 | 362.6 | 1.0 |
| Unnamed Creek 2 | | | | | | | |
| A | 0.38 | 189 | 834 | 2.7 | 307.0[2] | 306.0[2] | 1.0 |
| B | 0.57 | 65 | 379 | 5.8 | 317.0[2] | 316.0[2] | 1.0 |
| C | 0.72 | 68 | 485 | 4.3 | 328.6 | 327.6 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**WARD MILL CREEK- UNNAMED CREEK 2**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 2 (cont'd) | | | | | | | |
| D | 0.86 | 177 | 723 | 2.9 | 332.6 | 331.6 | 1.0 |
| E | 0.96 | 83 | 291 | 6.9 | 336.1 | 335.1 | 1.0 |
| F | 1.05 | 77 | 417 | 4.7 | 338.7 | 337.7 | 1.0 |
| G | 1.17 | 30 | 211 | 9.2 | 344.0 | 343.0 | 1.0 |
| H | 1.28 | 143 | 741 | 2.5 | 349.4 | 348.4 | 1.0 |
| I | 1.36 | 60 | 350 | 5.3 | 352.5 | 351.5 | 1.0 |
| J | 1.53 | 56 | 328 | 5.2 | 357.9 | 356.9 | 1.0 |
| K | 1.74 | 79 | 330 | 6.5 | 362.8 | 361.8 | 1.0 |
| L | 1.85 | 90 | 349 | 4.6 | 366.1 | 365.1 | 1.0 |
| Locust Fork (Lower Branch) | | | | | | | |
| A | 9.80 | 469 | 16,718 | 4.1 | 326.1 | 325.1 | 1.0 |
| B | 10.58 | 332 | 10,979 | 6.2 | 328.2 | 327.2 | 1.0 |
| C | 11.26 | 280 | 13,304 | 5.1 | 330.1 | 329.1 | 1.0 |

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

42

**FLOODWAY DATA**

**UNNAMED CREEK 2- LOCUST FORK (LOWER BRANCH)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Locust Fork (Upper Branch) | | | | | | | |
| A | 22.05 | 471 | 16,743 | 4.4 | 350.1 | 349.1 | 1.0 |
| B | 23.22 | 419 | 18,893 | 3.7 | 352.8 | 351.8 | 1.0 |
| C | 24.48 | 401 | 18,055 | 3.8 | 355.8 | 354.8 | 1.0 |
| D[2] | 26.06 | 519 | 21,552 | 3.2 | 360.5 | 359.5 | 1.0 |
| Turkey Creek (Lower Branch) | | | | | | | |
| A | 0.22 | 99 | 2,054 | 12.1 | 322.8[4] | 321.8[4] | 1.0 |
| B[3] | 0.83 | 144 | 3,584 | 6.9 | 333.1[4] | 332.1[4] | 1.0 |
| C[3] | 1.43 | 117 | 2,445 | 10.1 | 339.7[4] | 338.7[4] | 1.0 |
| D | 1.63 | 208 | 3,548 | 7.0 | 344.7[4] | 343.7[4] | 1.0 |
| E | 1.93 | 166 | 2,677 | 9.3 | 348.7[4] | 347.7[4] | 1.0 |
| F | 2.22 | 210 | 4,044 | 6.2 | 355.0 | 354.0 | 1.0 |
| G | 2.46 | 143 | 2,636 | 9.5 | 358.1 | 357.1 | 1.0 |
| H | 3.13 | 676 | 11,243 | 2.2 | 365.5 | 364.5 | 1.0 |
| I | 3.95 | 371 | 6,660 | 3.8 | 369.3 | 368.3 | 1.0 |
| J[2] | 4.78 | 823 | 14,091 | 1.8 | 373.6 | 372.6 | 1.0 |
| K | 5.29 | 564 | 8,748 | 2.8 | 374.1 | 373.1 | 1.0 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

[3] Floodway outside county limits

[4] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

## FLOODWAY DATA

**LOCUST FORK (UPPER BRANCH)- TURKEY CREEK (LOWER BRANCH)**

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| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Turkey Creek (Lower Branch) (cont'd) | | | | | | | |
| L | 5.95 | 455 | 6,797 | 2.6 | 377.0 | 376.0 | 1.0 |
| M | 6.42 | 300 | 3,538 | 5.0 | 380.0 | 379.0 | 1.0 |
| N | 7.12 | 719 | 10,548 | 1.7 | 384.3 | 383.3 | 1.0 |
| O | 7.73 | 481 | 7,924 | 2.2 | 385.0 | 384.0 | 1.0 |
| P | 8.23 | 1,057 | 12,740 | 1.4 | 385.7 | 384.7 | 1.0 |
| Q | 8.98 | 955 | 7,201 | 2.4 | 386.8 | 385.8 | 1.0 |
| R | 9.51 | 444 | 3,687 | 4.5 | 389.5 | 388.5 | 1.0 |
| S | 10.06 | 570 | 4,206 | 3.9 | 392.4 | 391.4 | 1.0 |
| T | 10.49 | 522 | 8,038 | 1.8 | 413.0 | 412.4 | 0.6 |
| U | 10.89 | 160 | 1,513 | 9.4 | 413.6 | 413.0 | 0.6 |
| V | 11.38 | 352 | 3,843 | 3.7 | 418.3 | 417.3 | 1.0 |
| W | 11.69 | 165 | 1,974 | 7.2 | 421.3 | 420.3 | 1.0 |
| X | 11.95 | 71 | 938 | 15.1 | 426.0 | 425.0 | 1.0 |
| Turkey Creek (Upper Branch) | | | | | | | |
| A | 18.54 | 109 | 1,425 | 17.4 | 582.7 | 582.7 | 0.0 |

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

44

**FLOODWAY DATA**

**TURKEY CREEK (LOWER BRANCH)-TURKEY CREEK (UPPER BRANCH)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Turkey Creek (Upper Branch) (cont'd.) | | | | | | | |
| B | 18.72 | 226 | 4,382 | 3.1 | 593.5 | 592.7 | 0.8 |
| C | 18.98 | 298 | 5,027 | 2.7 | 594.3 | 593.3 | 1.0 |
| D | 19.13 | 400 | 6,175 | 2.1 | 595.5 | 594.5 | 1.0 |
| E | 19.33 | 370 | 4,265 | 2.3 | 595.8 | 594.8 | 1.0 |
| F | 19.62 | 338 | 1,989 | 4.8 | 597.1 | 596.1 | 1.0 |
| G | 19.86 | 404 | 2,542 | 3.7 | 600.9 | 599.9 | 1.0 |
| H | 20.09 | 705 | 3,292 | 2.8 | 605.1 | 604.1 | 1.0 |
| I | 20.39 | 484 | 2,194 | 4.2 | 609.2 | 608.2 | 1.0 |
| J | 20.57 | 455 | 1,490 | 4.3 | 613.1 | 612.1 | 1.0 |
| K | 20.76 | 417 | 1,475 | 4.3 | 619.9 | 618.9 | 1.0 |
| L | 20.90 | 493 | 1,797 | 3.5 | 624.4 | 623.4 | 1.0 |
| M | 20.99 | 361 | 1,023 | 6.2 | 628.0 | 627.6 | 0.4 |
| N | 21.10 | 200 | 1,221 | 5.0 | 632.6 | 631.6 | 1.0 |
| O | 21.25 | 88 | 748 | 8.2 | 640.3 | 639.3 | 1.0 |
| P | 21.42 | 119 | 812 | 7.1 | 646.1 | 645.1 | 1.0 |
| Q | 21.56 | 112 | 978 | 5.8 | 652.3 | 651.3 | 1.0 |
| R | 21.69 | 128 | 1,074 | 5.3 | 656.4 | 655.4 | 1.0 |

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**TURKEY CREEK (UPPER BRANCH)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Turkey Creek (Upper Branch) (cont'd) | | | | | | | |
| S | 21.86 | 112 | 1,061 | 5.3 | 661.0 | 660.0 | 1.0 |
| T | 22.04 | 270 | 1,466 | 3.8 | 666.2 | 665.2 | 1.0 |
| U | 22.24 | 265 | 1,149 | 4.8 | 675.8 | 675.8 | 0.0 |
| V | 22.36 | 244 | 738 | 7.2 | 681.0 | 681.0 | 0.0 |
| W | 22.45 | 60 | 420 | 12.6 | 683.8 | 683.6 | 0.2 |
| X | 22.56 | 50 | 459 | 11.5 | 689.0 | 689.0 | 0.0 |
| Y | 22.66 | 186 | 1,738 | 2.8 | 695.9 | 695.2 | 0.7 |
| Z | 22.78 | 149 | 886 | 5.4 | 697.1 | 696.1 | 1.0 |
| AA | 22.89 | 120 | 628 | 7.6 | 701.4 | 701.0 | 0.4 |
| AB | 23.01 | 85 | 333 | 14.3 | 710.3 | 709.6 | 0.7 |
| AC | 23.11 | 167 | 811 | 5.8 | 715.5 | 714.5 | 1.0 |
| AD | 23.25 | 85 | 511 | 9.2 | 721.7 | 720.7 | 1.0 |
| AE | 23.38 | 80 | 486 | 9.6 | 728.9 | 727.9 | 1.0 |
| AF | 23.81 | 100 | 764 | 3.3 | 764.0 | 763.0 | 1.0 |
| AG | 23.89 | 72 | 175 | 14.5 | 766.5 | 765.5 | 1.0 |
| AH | 24.24 | 72 | 442 | 5.5 | 789.1 | 788.1 | 1.0 |
| AI | 24.35 | 119 | 1,018 | 2.4 | 791.7 | 790.7 | 1.0 |

[1] Miles above mouth

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

46

**FLOODWAY DATA**

**TURKEY CREEK (UPPER BRANCH)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Turkey Creek (Upper Branch) (cont'd) | | | | | | | |
| AJ | 24.45 | 165 | 632 | 3.8 | 796.9 | 795.9 | 1.0 |
| AK | 24.86 | 75 | 573 | 3.7 | 819.6 | 818.6 | 1.0 |
| AL | 24.96 | 72 | 667 | 1.8 | 820.1 | 819.1 | 1.0 |
| Self Creek | | | | | | | |
| A | 10.18 | 208 | 588 | 6.7 | 636.7 | 635.7 | 1.0 |
| B | 10.41 | 83 | 414 | 9.4 | 653.0 | 652.9 | 0.1 |
| C | 10.57 | 279 | 2,033 | 1.9 | 658.6 | 657.6 | 1.0 |
| D | 10.71 | 150 | 693 | 4.4 | 662.3 | 661.3 | 1.0 |
| E | 10.84 | 93 | 540 | 5.6 | 667.9 | 666.9 | 1.0 |
| F | 10.93 | 172 | 870 | 3.5 | 671.9 | 670.9 | 1.0 |
| G | 11.02 | 331 | 1,426 | 2.1 | 674.3 | 673.3 | 1.0 |
| H | 11.17 | 135 | 773 | 3.9 | 683.0 | 683.0 | 0.0 |
| I | 11.27 | 495 | 2,897 | 0.8 | 688.3 | 688.3 | 0.0 |
| J | 11.41 | 94 | 352 | 6.6 | 691.8 | 690.8 | 1.0 |
| K | 11.51 | 137 | 348 | 6.6 | 697.8 | 696.8 | 1.0 |

[1] Miles above mouth

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## TURKEY CREEK (UPPER BRANCH)-SELF CREEK

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Self Creek (cont'd) | | | | | | | |
| L | 11.62 | 49 | 254 | 8.9 | 702.3 | 701.3 | 1.0 |
| M | 11.70 | 180 | 467 | 4.8 | 706.6 | 705.6 | 1.0 |
| N | 11.81 | 154 | 469 | 4.7 | 715.2 | 714.2 | 1.0 |
| O | 11.92 | 75 | 245 | 7.0 | 721.5 | 720.5 | 1.0 |
| P | 11.99 | 69 | 214 | 7.8 | 727.1 | 726.1 | 1.0 |
| Q | 12.08 | 44 | 184 | 8.9 | 735.7 | 734.7 | 1.0 |
| R | 12.17 | 42 | 172 | 9.1 | 744.8 | 743.8 | 1.0 |
| S | 12.26 | 43 | 164 | 9.2 | 754.3 | 753.3 | 1.0 |
| Dry Creek (Warrior River Basin) | | | | | | | |
| A | * | * | * | * | * | * | * |
| B | 0.19 | 117 | 903 | 5.8 | 618.7 | 617.7 | 1.0 |
| C | 0.46 | 423 | 1,620 | 3.2 | 629.7 | 628.7 | 1.0 |
| D | 0.74 | 258 | 942 | 5.3 | 634.9 | 633.9 | 1.0 |
| E | 0.92 | 164 | 655 | 7.6 | 640.9 | 639.9 | 1.0 |

[1] Miles above mouth

*No floodway computed, located in Turkey Creek floodway, not shown on map

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

48

**FLOODWAY DATA**

**SELF CREEK-DRY CREEK (WARRIOR RIVER BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Dry Creek (Warrior River Basin) (cont'd) | | | | | | | |
| F | 1.12 | 120 | 551 | 8.3 | 649.8 | 648.8 | 1.0 |
| G | 1.26 | 207 | 1,007 | 4.5 | 656.9 | 655.9 | 1.0 |
| H | 1.38 | 174 | 937 | 4.8 | 662.9 | 661.9 | 1.0 |
| I | 1.48 | 211 | 977 | 4.3 | 666.7 | 665.7 | 1.0 |
| J | 1.62 | 200 | 1,013 | 4.2 | 673.8 | 672.9 | 0.9 |
| K | 1.73 | 138 | 621 | 6.8 | 678.9 | 677.9 | 1.0 |
| L | 1.85 | 150 | 1,751 | 2.3 | 689.7 | 689.5 | 0.2 |
| M | 1.96 | 70 | 479 | 8.5 | 692.6 | 691.6 | 1.0 |
| Unnamed Creek 8 | | | | | | | |
| A | * | * | * | * | * | * | * |
| B | 0.09 | 111 | 462 | 5.6 | 697.1 | 696.1 | 1.0 |
| C | 0.18 | 51 | 316 | 8.2 | 701.0 | 700.0 | 1.0 |
| D | 0.25 | 48 | 279 | 9.2 | 708.9 | 707.9 | 1.0 |
| E | 0.34 | 84 | 453 | 5.6 | 716.5 | 715.5 | 1.0 |
| F | 0.42 | 74 | 399 | 6.3 | 722.7 | 721.7 | 1.0 |

[1] Miles above mouth

*No floodway computed, located in Dry Creek floodway, not shown on map

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

JEFFERSON COUNTY, AL

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## DRY CREEK (WARRIOR RIVER BASIN)-UNNAMED CREEK 8

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 8 (cont'd) | | | | | | | |
| G | 0.50 | 178 | 758 | 3.2 | 728.9 | 727.9 | 1.0 |
| H | 0.60 | 58 | 352 | 6.8 | 737.0 | 736.0 | 1.0 |
| I | 0.71 | 103 | 484 | 4.9 | 743.2 | 742.2 | 1.0 |
| J | 0.81 | 91 | 264 | 4.8 | 749.9 | 748.9 | 1.0 |
| Unnamed Creek 9 | | | | | | | |
| A | 0.12 | 210 | 1,153 | 4.6 | 590.3[2] | 589.3[2] | 1.0 |
| B | 0.27 | 243 | 2,201 | 2.4 | 593.6[2] | 592.6[2] | 1.0 |
| C | 0.46 | 248 | 1,830 | 2.3 | 597.7 | 596.7 | 1.0 |
| D | 0.71 | 144 | 558 | 3.2 | 600.0 | 599.0 | 1.0 |
| E | 0.94 | 153 | 772 | 2.3 | 604.6 | 603.6 | 1.0 |
| F | 1.06 | 60 | 191 | 9.2 | 606.3 | 605.3 | 1.0 |
| G | 1.21 | 377 | 1,845 | 0.9 | 608.2 | 607.2 | 1.0 |
| H | 1.46 | 388 | 1,741 | 1.0 | 609.7 | 608.7 | 1.0 |
| I | 1.73 | 310 | 891 | 1.7 | 610.5 | 609.5 | 1.0 |
| J | 2.09 | 184 | 481 | 3.1 | 619.2 | 618.2 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## UNNAMED CREEK 8- UNNAMED CREEK 9

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 9 (cont'd) | | | | | | | |
| K | 2.36 | 215 | 432 | 2.8 | 626.4 | 625.4 | 1.0 |
| L | 2.57 | 220 | 274 | 2.8 | 631.3 | 630.3 | 1.0 |
| Unnamed Creek 10 | | | | | | | |
| A | 0.08 | 422 | 2,036 | 2.6 | 601.8 | 600.8 | 1.0 |
| B | 0.34 | 366 | 1,569 | 3.3 | 607.0 | 606.0 | 1.0 |
| C | 0.48 | 263 | 1,226 | 4.2 | 609.7 | 608.7 | 1.0 |
| D | 0.63 | 254 | 944 | 5.5 | 614.9 | 613.9 | 1.0 |
| E | 0.80 | 153 | 511 | 5.4 | 621.3 | 620.3 | 1.0 |
| F | 0.90 | 65 | 339 | 8.0 | 626.1 | 625.1 | 1.0 |
| G | 1.04 | 203 | 676 | 3.9 | 631.4 | 630.4 | 1.0 |
| H | 1.20 | 200 | 1,465 | 1.8 | 641.6 | 640.6 | 1.0 |
| I | 1.33 | 34 | 220 | 11.6 | 646.8 | 645.8 | 1.0 |
| J | 1.44 | 151 | 724 | 3.2 | 651.1 | 650.1 | 1.0 |
| K | 1.57 | 45 | 241 | 9.6 | 658.2 | 657.2 | 1.0 |

[1] Miles above mouth

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**UNNAMED CREEK 9-UNNAMED CREEK 10**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 10 (cont'd) | | | | | | | |
| L | 1.74 | 108 | 411 | 5.3 | 667.3 | 666.3 | 1.0 |
| M | 1.86 | 124 | 307 | 5.2 | 673.0 | 672.0 | 1.0 |
| Unnamed Creek 11 | | | | | | | |
| A | 0.08 | 390 | 1,714 | 2.2 | 622.6 | 621.6 | 1.0 |
| B | 0.27 | 196 | 755 | 4.9 | 628.4 | 627.4 | 1.0 |
| C | 0.40 | 113 | 586 | 6.3 | 632.8 | 631.8 | 1.0 |
| D | 0.49 | 113 | 568 | 6.5 | 637.2 | 636.2 | 1.0 |
| E | 0.62 | 100 | 518 | 6.7 | 642.3 | 641.3 | 1.0 |
| F | 0.72 | 181 | 620 | 5.6 | 647.6 | 646.6 | 1.0 |
| G | 0.85 | 74 | 427 | 8.1 | 652.9 | 651.9 | 1.0 |
| H | 1.02 | 98 | 709 | 4.8 | 662.5 | 661.5 | 1.0 |
| I | 1.15 | 207 | 680 | 4.6 | 665.3 | 664.3 | 1.0 |
| J | 1.32 | 106 | 382 | 8.2 | 673.3 | 672.3 | 1.0 |

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## UNNAMED CREEK 10-UNNAMED CREEK 11

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) | | | | | | | |
| A | 1.40 | 315 | 7,350 | 3.6 | 301.0 | 300.0 | 1.0 |
| B | 2.15 | 204 | 5,881 | 4.5 | 305.4 | 304.4 | 1.0 |
| C | 2.67 | 247 | 7,318 | 3.7 | 308.8 | 307.8 | 1.0 |
| D | 3.13 | 245 | 6,947 | 3.8 | 311.2 | 310.2 | 1.0 |
| E | 3.59 | 230 | 7,318 | 3.7 | 313.3 | 312.3 | 1.0 |
| F | 4.25 | 334 | 9,846 | 2.7 | 315.6 | 314.6 | 1.0 |
| G | 4.72 | 230 | 7,393 | 3.6 | 317.1 | 316.1 | 1.0 |
| H | 5.17 | 167 | 5,671 | 4.7 | 319.2 | 318.2 | 1.0 |
| I | 5.63 | 209 | 7,028 | 3.8 | 321.8 | 320.8 | 1.0 |
| J | 6.40 | 246 | 7,599 | 3.5 | 325.6 | 324.6 | 1.0 |
| K | 7.13 | 175 | 5,010 | 5.3 | 330.5 | 329.5 | 1.0 |
| L | 7.73 | 249 | 6,218 | 4.3 | 335.1 | 334.1 | 1.0 |
| M | 8.34 | 186 | 4,428 | 6.0 | 340.7 | 339.7 | 1.0 |
| N[2] | | | | | | | |
| O | 9.12 | 300 | 7,332 | 3.6 | 347.1 | 346.1 | 1.0 |
| P | 9.72 | 500 | 12,019 | 2.2 | 349.9 | 348.9 | 1.0 |

[1] Miles above mouth

[2] Floodway data not computed

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**FIVEMILE CREEK (FIVEMILE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| Q | 10.13 | 669 | 11,637 | 2.3 | 351.3 | 350.3 | 1.0 |
| R | 10.87 | 1,104 | 19,038 | 1.4 | 353.5 | 352.5 | 1.0 |
| S | 11.56 | 591 | 12,449 | 2.1 | 355.4 | 354.4 | 1.0 |
| T | 11.97 | 233 | 5,407 | 4.9 | 358.0 | 357.0 | 1.0 |
| U | 12.61 | 311 | 7,449 | 3.5 | 364.4 | 363.4 | 1.0 |
| V | 13.15 | 268 | 7,727 | 3.3 | 368.3 | 367.3 | 1.0 |
| W | 13.49 | 364 | 10,435 | 2.4 | 369.6 | 368.6 | 1.0 |
| X | 13.81 | 441 | 12,531 | 2.0 | 370.4 | 369.4 | 1.0 |
| Y | 14.35 | 343 | 9,078 | 2.7 | 371.6 | 370.6 | 1.0 |
| Z[2] | 15.08 | 837 | 18,514 | 1.3 | 373.3 | 372.3 | 1.0 |
| AA[3] | 15.76 | 758 | 12,388 | 2.0 | 374.1 | 373.1 | 1.0 |
| AB[3] | 16.12 | 346 | 7,827 | 2.8 | 375.6 | 374.6 | 1.0 |
| AC[3] | 16.58 | 317 | 7,111 | 3.0 | 377.0 | 376.0 | 1.0 |
| AD | 16.90 | 365 | 7,160 | 3.0 | 378.4 | 377.4 | 1.0 |
| AE | 17.39 | 392 | 7,723 | 2.8 | 380.6 | 379.6 | 1.0 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

[3] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

54

## FLOODWAY DATA

## FIVEMILE CREEK (FIVEMILE CREEK BASIN)

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| AF[2] | 18.29 | 436 | 9,463 | 2.3 | 384.2 | 383.2 | 1.0 |
| AG | 19.17 | 465 | 10,133 | 2.1 | 387.1 | 386.1 | 1.0 |
| AH | 19.68 | 209 | 4,583 | 4.6 | 388.4 | 387.4 | 1.0 |
| AI | 20.14 | 584 | 10,420 | 2.0 | 390.1 | 389.1 | 1.0 |
| AJ | 20.56 | 498 | 9,178 | 2.3 | 391.3 | 390.3 | 1.0 |
| AK | 21.27 | 633 | 6,510 | 3.2 | 394.4 | 393.4 | 1.0 |
| AL | 21.66 | 187 | 4,064 | 5.2 | 396.6 | 395.6 | 1.0 |
| AM | 22.08 | 143 | 3,706 | 5.6 | 399.3 | 398.3 | 1.0 |
| AN | 22.97 | 649 | 7,885 | 2.6 | 406.1 | 405.1 | 1.0 |
| AO | 23.77 | 574 | 6,275 | 3.3 | 408.8 | 407.8 | 1.0 |
| AP | 24.22 | 531 | 5,633 | 3.6 | 410.8 | 409.8 | 1.0 |
| AQ | 24.59 | 257 | 3,539 | 5.8 | 413.3 | 412.3 | 1.0 |
| AR | 24.93 | 669 | 7,414 | 2.8 | 416.4 | 415.4 | 1.0 |
| AS | 25.38 | 405 | 3,648 | 5.5 | 421.1 | 420.1 | 1.0 |
| AT | 25.66 | 101 | 1,992 | 10.0 | 425.2 | 424.2 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**FIVEMILE CREEK (FIVEMILE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| AU | 25.97 | 464 | 6,326 | 3.2 | 429.8 | 428.8 | 1.0 |
| AV | 26.42 | 1,064 | 16,253 | 1.2 | 430.9 | 429.9 | 1.0 |
| AW[2] | | | | | | | |
| AX | 27.14 | 101 | 1,962 | 8.6 | 438.3 | 437.3 | 1.0 |
| AY | 27.81 | 496 | 4,444 | 3.8 | 446.2 | 445.2 | 1.0 |
| AZ | 28.14 | 263 | 3,108 | 5.4 | 449.6 | 448.6 | 1.0 |
| BA | 28.43 | 173 | 2,342 | 7.1 | 453.1 | 452.1 | 1.0 |
| BB | 28.81 | 137 | 2,683 | 6.1 | 461.1 | 460.1 | 1.0 |
| BC | 29.23 | 213 | 4,828 | 3.4 | 466.3 | 465.3 | 1.0 |
| BD | 29.52 | 108 | 2,400 | 6.8 | 468.3 | 467.3 | 1.0 |
| BE | 29.89 | 168 | 2,669 | 6.0 | 474.6 | 473.6 | 1.0 |
| BF | 30.22 | 81 | 1,252 | 12.5 | 482.2 | 481.2 | 1.0 |
| BG | 30.47 | 137 | 2,692 | 5.8 | 491.8 | 490.8 | 1.0 |
| BH | 30.79 | 138 | 2,547 | 6.1 | 496.7 | 495.7 | 1.0 |
| BI | 31.23 | 109 | 2,224 | 7.0 | 501.5 | 500.5 | 1.0 |
| BJ | 31.57 | 164 | 2,766 | 5.5 | 505.5 | 504.5 | 1.0 |
| BK[3] | 32.10 | 131 | 2,470 | 6.1 | 512.1 | 511.1 | 1.0 |

[1] Miles above mouth

[2] Floodway data not computed

[3] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**FIVEMILE CREEK (FIVEMILE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| BL[2] | 32.73 | 393 | 7,386 | 2.0 | 523.5 | 522.5 | 1.0 |
| BM | 33.06 | 98 | 1,889 | 7.8 | 524.7 | 523.7 | 1.0 |
| BN[3] | 33.35 | 638 | 9,889 | 1.4 | 531.9 | 530.9 | 1.0 |
| BO[3] | 33.68 | 537 | 5,652 | 2.4 | 532.2 | 531.2 | 1.0 |
| BP[3] | 33.99 | 773 | 7,388 | 1.8 | 534.6 | 533.6 | 1.0 |
| BQ[3] | 34.35 | 507 | 6,038 | 2.2 | 538.7 | 537.7 | 1.0 |
| BR[2] | 34.74 | 462 | 4,368 | 3.0 | 540.1 | 539.1 | 1.0 |
| BS[2] | 35.14 | 240 | 1,771 | 7.3 | 545.3 | 544.3 | 1.0 |
| BT[2] | 35.44 | 259 | 1,799 | 7.0 | 552.8 | 551.8 | 1.0 |
| BU | 35.75 | 113 | 1,276 | 9.9 | 561.9 | 561.4 | 0.5 |
| BV | 36.02 | 688 | 8,573 | 1.4 | 568.8 | 567.8 | 1.0 |
| BW | 36.24 | 685 | 6,801 | 1.8 | 569.2 | 568.2 | 1.0 |
| BX | 36.38 | 614 | 4,199 | 2.9 | 569.7 | 568.7 | 1.0 |
| BY | 36.61 | 387 | 3,159 | 3.4 | 572.0 | 571.0 | 1.0 |
| BZ | 36.77 | 353 | 2,248 | 4.8 | 575.8 | 574.8 | 1.0 |

[1] Miles above mouth
[2] Floodway extends beyond county limits
[3] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**FIVEMILE CREEK (FIVEMILE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| CA[2] | 37.01 | 459 | 3,256 | 3.2 | 582.5 | 581.5 | 1.0 |
| CB[2] | 37.20 | 534 | 3,115 | 3.3 | 586.4 | 585.4 | 1.0 |
| CC[2] | 37.33 | 273 | 2,303 | 4.5 | 589.9 | 588.9 | 1.0 |
| CD[2] | 37.53 | 358 | 2,350 | 3.7 | 595.7 | 594.7 | 1.0 |
| CE[2] | 37.68 | 123 | 1,112 | 7.8 | 600.3 | 599.3 | 1.0 |
| CF[2] | 37.83 | 127 | 1,575 | 5.5 | 606.6 | 605.6 | 1.0 |
| CG[2] | 38.02 | 91 | 1,002 | 8.6 | 612.1 | 611.1 | 1.0 |
| CH[2] | 38.18 | 213 | 2,248 | 3.8 | 619.2 | 618.2 | 1.0 |
| CI[2] | 38.32 | 51 | 665 | 13.0 | 627.6 | 626.6 | 1.0 |
| CJ[2] | 38.48 | 131 | 1,508 | 5.7 | 636.8 | 635.8 | 1.0 |
| CK[2] | 38.60 | 84 | 929 | 9.2 | 640.5 | 639.5 | 1.0 |
| CL[2] | 38.75 | 97 | 1,251 | 6.8 | 647.0 | 646.0 | 1.0 |
| CM | 38.84 | 247 | 2,600 | 3.2 | 649.9 | 648.9 | 1.0 |
| CN | 39.00 | 60 | 639 | 12.7 | 659.6 | 658.7 | 0.9 |
| CO[2] | 39.14 | 119 | 1,267 | 6.4 | 667.1 | 666.1 | 1.0 |
| CP | 39.25 | 176 | 2,434 | 3.3 | 670.4 | 669.4 | 1.0 |

[1] Miles above mouth
[2] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

58

## FLOODWAY DATA

## FIVEMILE CREEK (FIVEMILE CREEK BASIN)

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| CQ[2] | 39.45 | 341 | 3,416 | 2.3 | 672.4 | 671.4 | 1.0 |
| CR | 39.67 | 161 | 1,677 | 4.7 | 675.5 | 674.5 | 1.0 |
| CS | 39.81 | 226 | 1,619 | 4.8 | 679.4 | 678.4 | 1.0 |
| CT | 40.08 | 238 | 2,085 | 3.7 | 687.3 | 686.3 | 1.0 |
| CU | 40.25 | 247 | 2,118 | 3.5 | 690.4 | 689.4 | 1.0 |
| CV[2] | 40.54 | 468 | 2,956 | 2.3 | 696.8 | 695.8 | 1.0 |
| CW[2] | 40.86 | 241 | 1,138 | 5.5 | 701.0 | 700.0 | 1.0 |
| CX[2] | 41.05 | 190 | 1,412 | 4.0 | 703.5 | 702.5 | 1.0 |
| CY[2] | 41.17 | 94 | 756 | 7.4 | 704.6 | 703.6 | 1.0 |
| CZ | 41.42 | 443 | 3,361 | 1.6 | 712.4 | 711.4 | 1.0 |
| DA[3] | 41.62 | 302 | 1,029 | 5.1 | 714.6 | 713.6 | 1.0 |
| DB[3] | 41.82 | 122 | 637 | 8.1 | 719.3 | 718.3 | 1.0 |
| DC[2] | 42.05 | 210 | 1,012 | 3.0 | 724.8 | 723.8 | 1.0 |
| DD | 42.22 | 157 | 643 | 4.6 | 727.8 | 726.8 | 1.0 |
| DE | 42.46 | 258 | 1,064 | 2.7 | 732.5 | 731.5 | 1.0 |
| DF | 42.74 | 359 | 950 | 2.9 | 738.0 | 737.0 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

[3] Floodway extends beyond county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

## FLOODWAY DATA

## FIVEMILE CREEK (FIVEMILE CREEK BASIN)

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| DG | 43.05 | 280 | 533 | 3.9 | 745.3 | 744.3 | 1.0 |
| DH | 43.33 | 179 | 531 | 3.6 | 754.2 | 753.2 | 1.0 |
| DI | 43.45 | 150 | 612 | 3.0 | 756.6 | 755.6 | 1.0 |
| DJ | 43.63 | 197 | 463 | 3.6 | 763.1 | 762.1 | 1.0 |
| DK | 43.77 | 141 | 383 | 3.1 | 767.1 | 766.1 | 1.0 |
| DL | 43.88 | 41 | 139 | 8.3 | 774.4 | 773.4 | 1.0 |
| DM | 44.04 | 46 | 219 | 4.9 | 780.2 | 779.2 | 1.0 |
| DN | 44.16 | 43 | 165 | 6.3 | 785.6 | 784.6 | 1.0 |
| Unnamed Creek 13 | | | | | | | |
| A | 0.22 | 75 | 526 | 3.1 | 348.1[2] | 347.1[2] | 1.0 |
| B | 0.36 | 32 | 231 | 6.9 | 351.7[2] | 350.7[2] | 1.0 |
| C | 0.53 | 106 | 310 | 5.0 | 361.0[2] | 360.0[2] | 1.0 |
| D | 0.70 | 44 | 247 | 5.9 | 369.6 | 368.6 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

60

## FLOODWAY DATA

## FIVEMILE CREEK (FIVEMILE CREEK BASIN) - UNNAMED CREEK 13

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Newfound Creek | | | | | | | |
| A | 0.27 | 118 | 1,917 | 3.9 | 363.7[3] | 362.7[3] | 1.0 |
| B | 0.70 | 184 | 2,843 | 2.6 | 366.8[3] | 365.8[3] | 1.0 |
| C | 1.11 | 140 | 2,411 | 2.9 | 368.7[3] | 367.7[3] | 1.0 |
| D | 1.54 | 103 | 1,585 | 4.4 | 371.5 | 370.5 | 1.0 |
| E | 1.93 | 143 | 2,305 | 2.0 | 374.9 | 373.9 | 1.0 |
| F | 2.27 | 82 | 1,126 | 5.7 | 377.8 | 376.8 | 1.0 |
| G | 2.61 | 131 | 1,930 | 3.3 | 381.7 | 380.7 | 1.0 |
| H | 2.88 | 120 | 1,452 | 4.2 | 383.4 | 382.4 | 1.0 |
| I | 3.19 | 205 | 2,228 | 2.7 | 393.7 | 392.7 | 1.0 |
| J | 3.56 | 130 | 1,760 | 3.3 | 396.1 | 395.1 | 1.0 |
| K | 3.80 | 127 | 1,801 | 3.3 | 397.8 | 396.8 | 1.0 |
| L | 4.00 | 133 | 2,097 | 2.7 | 399.2 | 398.2 | 1.0 |
| M | 4.14 | 82 | 1,225 | 4.6 | 399.8 | 398.8 | 1.0 |
| N | 4.29 | 106 | 1,772 | 3.2 | 401.2 | 400.2 | 1.0 |
| Black Creek (Fivemile Creek Basin) | | | | | | | |
| A | .19 | 103 | 1,405 | 4.3 | 424.5[3] | 423.5[3] | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

[3] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**NEWFOUND CREEK-BLACK CREEK (FIVEMILE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Black Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| B | 0.64 | 112 | 1,602 | 3.7 | 429.1[2] | 428.1[2] | 1.0 |
| C | 1.03 | 43 | 603 | 9.4 | 432.0 | 431.0 | 1.0 |
| D | 1.32 | 328 | 4,731 | 1.2 | 442.8 | 441.8 | 1.0 |
| E | 1.71 | 286 | 3,270 | 1.7 | 443.1 | 442.1 | 1.0 |
| F | 2.02 | 101 | 1,193 | 4.3 | 444.8 | 443.8 | 1.0 |
| G | 2.39 | 115 | 1,537 | 3.3 | 448.0 | 447.0 | 1.0 |
| H[3] | 2.88 | 42 | 550 | 8.5 | 452.9 | 451.9 | 1.0 |
| I[3] | 3.22 | 50 | 660 | 7.0 | 458.3 | 457.3 | 1.0 |
| J[3] | 3.54 | 52 | 696 | 6.4 | 463.2 | 462.2 | 1.0 |
| K[3] | 3.90 | 74 | 761 | 5.8 | 469.1 | 468.1 | 1.0 |
| L[3] | 4.12 | 65 | 585 | 7.5 | 473.9 | 472.9 | 1.0 |
| M | 4.27 | 44 | 372 | 11.6 | 479.4 | 478.4 | 1.0 |
| N[3] | 4.48 | 63 | 642 | 6.5 | 488.1 | 487.1 | 1.0 |
| O[3] | 4.65 | 69 | 656 | 6.4 | 492.2 | 491.2 | 1.0 |
| P[3] | 4.85 | 384 | 1,971 | 2.1 | 495.6 | 494.6 | 1.0 |

[1] Miles above mouth
[2] Elevations computed without consideration of backwater effects
[3] Floodway outside corporate limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

62

## FLOODWAY DATA

## BLACK CREEK (FIVEMILE CREEK BASIN)

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Black Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| Q[2] | 4.96 | 144 | 800 | 5.0 | 496.5 | 495.5 | 1.0 |
| R[2] | 5.20 | 223 | 2,252 | 1.6 | 507.7 | 506.7 | 1.0 |
| S[2] | 5.38 | 307 | 1,344 | 2.6 | 508.3 | 507.3 | 1.0 |
| T[2] | 5.54 | 70 | 663 | 5.2 | 509.5 | 508.5 | 1.0 |
| U[2] | 5.75 | 67 | 507 | 5.9 | 512.3 | 511.3 | 1.0 |
| V[2] | 5.90 | 45 | 351 | 6.8 | 514.8 | 513.8 | 1.0 |
| W[2] | 5.95 | 43 | 355 | 6.7 | 515.8 | 514.8 | 1.0 |
| Barton Branch | | | | | | | |
| A | 0.12 | 60 | 356 | 8.9 | 572.2[3] | 571.2[3] | 1.0 |
| B | 0.29 | 133 | 612 | 5.2 | 578.2 | 577.2 | 1.0 |
| C | 0.50 | 365 | 1,187 | 2.7 | 586.8 | 585.8 | 1.0 |
| D | 0.63 | 279 | 1,073 | 2.9 | 589.7 | 588.7 | 1.0 |
| E | 0.79 | 285 | 775 | 4.0 | 594.1 | 593.1 | 1.0 |
| F | 0.97 | 161 | 930 | 3.2 | 598.2 | 597.2 | 1.0 |

[1] Miles above mouth

[2] Floodway outside corporate limits

[3] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## BLACK CREEK (FIVEMILE CREEK BASIN)-BARTON BRANCH

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| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Barton Branch (cont'd) | | | | | | | |
| G | 1.13 | 195 | 886 | 3.3 | 601.9 | 600.9 | 1.0 |
| H | 1.29 | 153 | 694 | 3.2 | 605.2 | 604.2 | 1.0 |
| Tarrant Springs Branch | | | | | | | |
| A[2] | 0.26 | 78 | 769 | 5.4 | 601.9 | 600.9 | 1.0 |
| B[2] | 0.41 | 145 | 1,442 | 2.8 | 606.0 | 605.0 | 1.0 |
| C[2] | 0.56 | 185 | 1,482 | 2.7 | 608.4 | 607.4 | 1.0 |
| D[2] | 0.71 | 192 | 1,211 | 3.3 | 611.2 | 610.2 | 1.0 |
| E[2] | 0.85 | 220 | 1,233 | 3.2 | 615.4 | 614.4 | 1.0 |
| F[2] | 0.99 | 227 | 1,237 | 3.1 | 620.8 | 619.8 | 1.0 |
| G[2] | 1.10 | 170 | 1,075 | 3.5 | 624.4 | 623.4 | 1.0 |
| H[2] | 1.24 | 57 | 504 | 7.4 | 629.4 | 628.4 | 1.0 |
| I[2] | 1.34 | 83 | 619 | 6.0 | 634.8 | 633.8 | 1.0 |
| J[3] | 1.47 | 233 | 2,044 | 1.8 | 643.1 | 642.1 | 1.0 |
| K[3] | 1.60 | 127 | 943 | 3.8 | 644.1 | 643.1 | 1.0 |
| L | 1.78 | 70 | 463 | 7.3 | 650.7 | 649.7 | 1.0 |
| M | 2.01 | 117 | 705 | 3.9 | 658.1 | 657.1 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

[3] Floodway extends beyond county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

64

**FLOODWAY DATA**

**BARTON BRANCH-TARRANT SPRINGS BRANCH**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Tarrant Springs Branch (cont'd) | | | | | | | |
| N[2] | 2.21 | 80 | 369 | 7.4 | 666.4 | 665.4 | 1.0 |
| O | 2.44 | 45 | 300 | 8.7 | 676.4 | 675.4 | 1.0 |
| P[2] | 2.56 | 105 | 453 | 5.5 | 680.2 | 679.2 | 1.0 |
| Q | 2.69 | 35 | 235 | 10.5 | 686.7 | 686.5 | 0.2 |
| R | 2.81 | 103 | 46 | 5.3 | 690.1 | 689.1 | 1.0 |
| S | 2.93 | 65 | 178 | 13.6 | 696.7 | 695.7 | 1.0 |
| T | 3.00 | 70 | 152 | 15.2 | 700.7 | 700.4 | 0.3 |
| U[2] | 3.07 | 36 | 235 | 9.7 | 706.1 | 705.6 | 0.5 |
| V[2] | 3.15 | 37 | 234 | 9.7 | 710.4 | 709.4 | 1.0 |
| Dry Creek (Fivemile Creek Basin) | | | | | | | |
| A[2] | 0.22 | 68 | 451 | 7.9 | 731.3 | 730.4 | 0.9 |
| B[3] | 0.35 | 253 | 875 | 4.0 | 734.7 | 733.7 | 1.0 |
| C[3] | 0.48 | 481 | 840 | 4.2 | 738.9 | 737.9 | 1.0 |
| D[3] | 0.61 | 208 | 684 | 4.8 | 743.9 | 742.9 | 1.0 |

[1] Miles above mouth
[2] Floodway outside county limits
[3] Floodway extends beyond county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**TARRANT SPRINGS BRANCH - DRY CREEK (FIVEMILE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Dry Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| E[2] | 0.75 | 107 | 529 | 6.0 | 751.3 | 750.3 | 1.0 |
| F | 0.85 | 32 | 251 | 12.7 | 756.5 | 756.3 | 0.2 |
| G | 0.96 | 31 | 245 | 12.3 | 762.9 | 761.9 | 1.0 |
| H | 1.07 | 82 | 327 | 8.3 | 770.7 | 770.7 | 0.0 |
| I | 1.17 | 70 | 353 | 7.6 | 775.1 | 774.1 | 1.0 |
| J | 1.29 | 166 | 1,473 | 1.8 | 790.0 | 789.0 | 1.0 |
| K | 1.37 | 130 | 413 | 6.4 | 794.1 | 793.1 | 1.0 |
| L | 1.48 | 32 | 199 | 11.0 | 803.7 | 802.7 | 1.0 |
| M | 1.59 | 27 | 198 | 11.0 | 812.8 | 812.1 | 0.7 |
| N | 1.66 | 29 | 198 | 10.9 | 817.3 | 816.3 | 1.0 |
| O | 1.74 | 85 | 443 | 4.8 | 821.3 | 820.3 | 1.0 |
| P | 1.82 | 60 | 291 | 7.3 | 826.4 | 825.4 | 1.0 |
| Q | 1.90 | 62 | 307 | 6.8 | 834.1 | 833.1 | 1.0 |
| R | 1.97 | 36 | 240 | 8.5 | 838.7 | 837.7 | 1.0 |
| S | 2.06 | 32 | 243 | 8.3 | 845.9 | 845.1 | 0.8 |

[1] Miles above mouth

[2] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

66

**FLOODWAY DATA**

**DRY CREEK (FIVEMILE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Dry Creek (Fivemile Creek Basin) (cont'd) | | | | | | | |
| T | 2.13 | 122 | 519 | 3.9 | 850.5 | 849.5 | 1.0 |
| U | 2.22 | 37 | 260 | 7.6 | 858.4 | 857.4 | 1.0 |
| V | 2.29 | 92 | 432 | 4.6 | 863.1 | 862.1 | 1.0 |
| W | 2.38 | 26 | 210 | 9.0 | 869.3 | 868.3 | 1.0 |
| X | 2.47 | 61 | 274 | 6.9 | 873.0 | 872.0 | 1.0 |
| Y | 2.54 | 21 | 169 | 10.6 | 877.2 | 876.2 | 1.0 |
| Z | 2.66 | 120 | 421 | 3.8 | 887.7 | 886.7 | 1.0 |
| Unnamed Creek 23 | | | | | | | |
| A[2] | 0.10 | 242 | 768 | 3.6 | 581.0 | 580.0 | 1.0 |
| B[2] | 0.21 | 250 | 939 | 2.9 | 587.4 | 586.4 | 1.0 |
| C[2] | 0.30 | 114 | 485 | 4.5 | 593.0 | 592.0 | 1.0 |
| D[2] | 0.42 | 150 | 735 | 2.9 | 600.3 | 599.3 | 1.0 |
| E[2] | 0.50 | 123 | 456 | 4.7 | 605.8 | 604.8 | 1.0 |
| F[2] | 0.60 | 172 | 717 | 3.0 | 611.6 | 610.6 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

TABLE 2

**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**DRY CREEK (FIVEMILE CREEK BASIN) - UNNAMED CREEK 23**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 23 (cont'd)[2] | | | | | | | |
| G | 0.70 | 78 | 352 | 5.9 | 620.3 | 619.3 | 1.0 |
| H | 0.77 | 70 | 361 | 5.7 | 626.2 | 625.2 | 1.0 |
| I | 0.84 | 45 | 256 | 8.0 | 631.2 | 630.2 | 1.0 |
| J | 0.91 | 110 | 670 | 2.9 | 637.1 | 636.1 | 1.0 |
| Village Creek | | | | | | | |
| A-D* | * | * | * | * | * | * | * |
| E | 19.38 | 470 | 23,248 | 1.3 | 500.5 | 500.5 | 0.0 |
| F | 19.84 | 550 | 21,418 | 1.4 | 500.5 | 500.5 | 0.0 |
| G | 20.54 | 335 | 9,435 | 3.1 | 500.5 | 500.5 | 0.0 |
| H | 21.51 | 428 | 4,201 | 6.3 | 500.9 | 500.9 | 0.0 |
| I | 21.85 | 221 | 2,310 | 9.2 | 502.6 | 502.4 | 0.2 |
| J | 22.21 | 217 | 3,136 | 6.8 | 504.9 | 504.5 | 0.4 |
| K | 22.61 | 184 | 2,946 | 7.2 | 507.5 | 506.6 | 0.9 |
| L | 23.21 | 215 | 3,672 | 5.8 | 509.3 | 508.3 | 1.0 |
| M | 23.69 | 203 | 3,683 | 5.8 | 510.6 | 509.6 | 1.0 |
| N | 24.48 | 249 | 4,369 | 4.9 | 513.0 | 512.0 | 1.0 |
| O | 25.03 | 655 | 9,361 | 1.8 | 514.8 | 513.8 | 1.0 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

*Floodway data not available

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

68

**FLOODWAY DATA**

**UNNAMED CREEK 23-VILLAGE CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Village Creek (cont'd) | | | | | | | |
| P | 25.88 | 441 | 7,275 | 2.2 | 515.9 | 514.9 | 1.0 |
| Q[2] | 26.58 | 205 | 2,887 | 4.1 | 516.9 | 515.9 | 1.0 |
| R[2] | 27.11 | 90 | 1,666 | 7.1 | 518.1 | 517.1 | 1.0 |
| S[2] | 27.29 | 407 | 29.23 | 4.0 | 519.3 | 518.3 | 1.0 |
| T[2] | 27.91 | 103 | 1,658 | 7.1 | 521.9 | 520.9 | 1.0 |
| U[2] | 28.37 | 1,538 | 10,352 | 1.0 | 523.4 | 520.4 | 1.0 |
| V[2] | 28.65 | 803 | 5,740 | 1.8 | 523.8 | 522.8 | 1.0 |
| W[2] | 29.05 | 300 | 2,604 | 4.0 | 524.0 | 523.0 | 1.0 |
| X[2] | 29.16 | 104 | 1,313 | 8.0 | 525.2 | 524.2 | 1.0 |
| Y[2] | 29.72 | 90 | 1,138 | 9.2 | 529.5 | 528.5 | 1.0 |
| Z[2] | 30.08 | 105 | 1,122 | 9.4 | 532.6 | 531.6 | 1.0 |
| AA[2] | 30.57 | 469 | 1,934 | 5.5 | 538.4 | 538.2 | 0.2 |
| AB[2] | 30.95 | 626 | 4,909 | 2.2 | 541.9 | 541.7 | 0.2 |
| AC[2] | 31.16 | 694 | 4,618 | 2.3 | 544.1 | 543.1 | 1.0 |
| AD[2] | 31.74 | 463 | 3,711 | 2.9 | 546.5 | 545.5 | 1.0 |
| AE[2] | 32.14 | 96 | 1,220 | 8.7 | 549.4 | 548.4 | 1.0 |
| AF[2] | 32.58 | 442 | 3,310 | 3.2 | 555.9 | 555.3 | 0.6 |
| AG[2] | 32.92 | 243 | 1,265 | 8.5 | 559.6 | 558.6 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**VILLAGE CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Village Creek[2] (cont'd) | | | | | | | |
| AH | 33.42 | 232 | 1,373 | 7.9 | 567.0 | 566.0 | 1.0 |
| AI | 33.75 | 1,044 | 6,087 | 1.8 | 569.4 | 568.4 | 1.0 |
| AJ | 34.03 | 830 | 6,008 | 1.8 | 573.2 | 572.2 | 1.0 |
| AK | 34.51 | 122 | 1,284 | 10.4 | 577.9 | 577.3 | 0.6 |
| AL | 34.93 | 463 | 2,659 | 4.1 | 583.8 | 582.8 | 1.0 |
| AM | 35.15 | 943 | 6,548 | 1.7 | 585.7 | 584.7 | 1.0 |
| AN | 35.48 | 770 | 2,399 | 4.5 | 588.0 | 587.0 | 1.0 |
| AO | 35.79 | 573 | 3,889 | 2.7 | 592.7 | 591.7 | 1.0 |
| AP | 36.08 | 580 | 4,448 | 2.0 | 594.6 | 593.6 | 1.0 |
| AQ | 36.55 | 520 | 1,409 | 6.2 | 600.2 | 599.2 | 1.0 |
| AR | 36.80 | 635 | 2,804 | 3.1 | 604.5 | 603.5 | 1.0 |
| AS | 37.11 | 150 | 762 | 10.8 | 606.5 | 605.9 | 0.6 |
| AT | 37.35 | 473 | 1,560 | 5.3 | 610.4 | 609.4 | 1.0 |
| AU | 37.82 | 449 | 2,159 | 3.7 | 620.6 | 619.6 | 1.0 |
| AV | 38.28 | 624 | 3,284 | 1.9 | 630.5 | 629.5 | 1.0 |
| AW | 38.48 | 152 | 1,155 | 5.5 | 633.6 | 632.6 | 1.0 |
| AX | 38.92 | 66 | 563 | 10.3 | 640.6 | 639.6 | 1.0 |
| AY | 39.29 | 261 | 1,679 | 3.3 | 650.0 | 649.4 | 0.6 |

[1] Miles above mouth

[2] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**VILLAGE CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Village Creek (cont'd) | | | | | | | |
| AZ[2] | 39.72 | 244 | 1,401 | 3.0 | 657.9 | 657.4 | 0.5 |
| BA-BE* | * | * | * | * | * | * | * |
| Corbet Branch | | | | | | | |
| A | 1.23 | 430 | 1,973 | 1.5 | 497.2[3] | 496.2[3] | 1.0 |
| B | 1.55 | 93 | 563 | 5.0 | 500.4[3] | 499.4[3] | 1.0 |
| C | 1.74 | 71 | 494 | 5.5 | 503.5[3] | 502.5[3] | 1.0 |
| D | 2.04 | 297 | 2,872 | .9 | 514.3 | 513.3 | 1.0 |
| E | 2.18 | 238 | 1,723 | 1.4 | 514.6 | 513.6 | 1.0 |
| F | 2.36 | 189 | 2,436 | 1.0 | 528.1 | 527.6 | 0.5 |
| G | 2.55 | 96 | 917 | 2.3 | 528.6 | 527.9 | 0.7 |
| H | 2.71 | 48 | 372 | 4.5 | 530.8 | 529.8 | 1.0 |
| Camp Branch | | | | | | | |
| A | 1.05 | 300 | 5,726 | .5 | 508.9 | 508.9 | 0.0 |
| B | 1.68 | 352 | 5,672 | .7 | 509.9 | 508.9 | 1.0 |
| C | 2.14 | 111 | 1,440 | 2.9 | 510.4 | 509.4 | 1.0 |

[1] Miles above mouth
[2] Floodway outside county limits
[3] Elevation computed without consideration of backwater effects
*Floodway data not available.

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**
(UNINCORPORATED AREAS)

## FLOODWAY DATA

## VILLAGE CREEK-CORBET BRANCH- CAMP BRANCH

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Camp Branch (cont'd) | | | | | | | |
| D | 2.38 | 70 | 915 | 4.5 | 511.5 | 510.5 | 1.0 |
| E | 2.69 | 314 | 2,342 | 1.7 | 513.9 | 512.9 | 1.0 |
| F | 2.97 | 289 | 2,432 | 1.6 | 514.8 | 513.8 | 1.0 |
| G | 3.34 | 439 | 3,155 | 0.9 | 523.9 | 522.9 | 1.0 |
| H | 3.83 | 192 | 855 | 2.9 | 527.7 | 526.7 | 1.0 |
| I | 3.96 | 102 | 433 | 3.7 | 530.2 | 529.2 | 1.0 |
| Second Creek | | | | | | | |
| A | 0.30 | 161 | 1,992 | 1.4 | 509.8[2] | 508.8[2] | 1.0 |
| B | 0.50 | 141 | 1,758 | 1.7 | 510.2[2] | 509.2[2] | 1.0 |
| C | 0.74 | 149 | 1,854 | 1.7 | 510.7[2] | 509.7[2] | 1.0 |
| D | 0.92 | 130 | 1,223 | 2.6 | 511.6[2] | 510.6[2] | 1.0 |
| E | 1.17 | 126 | 1,019 | 3.2 | 514.1 | 513.1 | 1.0 |
| F | 1.53 | 78 | 487 | 6.3 | 523.9 | 522.9 | 1.0 |
| G | 1.68 | 88 | 549 | 5.3 | 530.6 | 529.6 | 1.0 |
| H | 1.86 | 120 | 882 | 3.1 | 533.2 | 532.2 | 1.0 |
| I | 2.02 | 124 | 539 | 4.9 | 537.9 | 536.9 | 1.0 |
| J | 2.23 | 137 | 706 | 3.0 | 543.6 | 542.6 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

72

## FLOODWAY DATA

## CAMP BRANCH-SECOND CREEK

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Second Creek (cont'd) | | | | | | | |
| K | 2.38 | 183 | 832 | 2.5 | 547.2 | 546.2 | 1.0 |
| L | 2.54 | 297 | 3,727 | 0.5 | 560.5 | 560.5 | 0.0 |
| Black Creek (Village Creek Basin) | | | | | | | |
| A-B[2] | | | | | | | |
| C | 0.68 | 268 | 3,623 | 1.1 | 519.1 | 518.9 | 0.2 |
| D[3] | 1.03 | 163 | 1,714 | 2.5 | 520.0 | 519.5 | 0.5 |
| E[3] | 1.42 | 68 | 605 | 7.2 | 524.6 | 523.6 | 1.0 |
| F | 1.88 | 490 | 4,706 | 1.0 | 527.4 | 526.4 | 1.0 |
| G[3] | 2.22 | 197 | 1,874 | 2.2 | 528.4 | 527.4 | 1.0 |
| H[3] | 2.47 | 470 | 2,829 | 1.4 | 529.7 | 528.7 | 1.0 |
| I[3] | 2.78 | 170 | 1,828 | 1.6 | 537.4 | 536.4 | 1.0 |
| J[3] | 3.07 | 297 | 3,863 | 0.7 | 545.3 | 544.3 | 1.0 |
| K[3] | 3.37 | 507 | 4,682 | 0.6 | 545.4 | 544.4 | 1.0 |
| L[3] | 3.52 | 257 | 1,959 | 1.4 | 545.9 | 544.9 | 1.0 |

[1] Miles above mouth

[2] Floodway data not available, not shown on map

[3] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**
**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**SECOND CREEK- BLACK CREEK (VILLAGE CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Black Creek (Village Creek Basin) (cont'd) | | | | | | | |
| M[2] | 3.72 | 49 | 340 | 8.1 | 554.8 | 554.8 | 0.0 |
| N[2] | 3.89 | 302 | 1,525 | 1.8 | 559.9 | 558.9 | 1.0 |
| Unnamed Creek 31 | | | | | | | |
| A[2] | 0.39 | 45 | 511 | 12.2 | 584.8 | 583.8 | 1.0 |
| B[2] | 0.70 | 464 | 1,886 | 3.3 | 589.7 | 588.7 | 1.0 |
| C[2] | 0.92 | 1,200 | 1,581 | 3.9 | 593.3 | 592.3 | 1.0 |
| D[2] | 1.04 | 515 | 2,869 | 2.2 | 594.8 | 593.8 | 1.0 |
| E[2] | 1.20 | 459 | 989 | 6.1 | 596.2 | 595.2 | 1.0 |
| F[2] | 1.25 | 636 | 1,046 | 5.8 | 597.9 | 596.9 | 1.0 |
| G[2] | 1.45 | 293 | 1,720 | 3.3 | 603.5 | 602.5 | 1.0 |
| Unnamed Creek 32 | | | | | | | |
| A[2] | 0.38 | 72 | 518 | 9.8 | 599.2 | 598.2 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**
**(UNINCORPORATED AREAS)**

74

**FLOODWAY DATA**

**BLACK CREEK (VILLAGE CREEK BASIN)**
**UNNAMED CREEK 31- UNNAMED CREEK 32**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 32 (cont'd) | | | | | | | |
| B[2] | 0.69 | 530 | 2,625 | 1.9 | 606.1 | 605.1 | 1.0 |
| C[2] | 0.95 | 160 | 1,014 | 4.6 | 612.8 | 611.8 | 1.0 |
| D[2] | 1.08 | 162 | 555 | 7.7 | 616.0 | 615.0 | 1.0 |
| E[2] | 1.23 | 205 | 840 | 4.6 | 620.5 | 619.5 | 1.0 |
| F[2] | 1.39 | 291 | 1,245 | 3.1 | 621.4 | 620.4 | 1.0 |
| G[2] | 1.52 | 157 | 525 | 7.2 | 623.5 | 622.5 | 1.0 |
| H[2] | 1.68 | 275 | 820 | 3.6 | 630.0 | 629.0 | 1.0 |
| I[2] | 1.86 | 129 | 485 | 6.1 | 634.9 | 633.9 | 1.0 |
| J[2] | 2.03 | 38 | 305 | 9.4 | 638.6 | 637.6 | 1.0 |
| K[2] | 2.22 | 31 | 229 | 12.2 | 644.5 | 643.9 | .6 |
| L[2] | 2.36 | 20 | 184 | 14.8 | 649.3 | 648.3 | 1.0 |
| Unnamed Creek 34 | | | | | | | |
| A[2] | 0.12 | 200 | 466 | 6.2 | 671.4 | 670.4 | 1.0 |
| B[2] | 0.28 | 195 | 724 | 3.5 | 677.3 | 676.3 | 1.0 |
| C[2] | 0.46 | 178 | 597 | 4.6 | 682.5 | 681.5 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**
(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**UNNAMED CREEK 32- UNNAMED CREEK 34**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 34 (cont'd) | | | | | | | |
| D[2] | 0.55 | 119 | 381 | 7.1 | 685.2 | 684.2 | 1.0 |
| E[2] | 0.65 | 18 | 199 | 13.2 | 689.0 | 688.0 | 1.0 |
| F[2] | 0.76 | 56 | 287 | 8.9 | 694.3 | 693.3 | 1.0 |
| Valley Creek | | | | | | | |
| A | 18.60 | 493 | 6,687 | 3.6 | 323.9 | 323.4 | 0.5 |
| B | 20.04 | 249 | 4,598 | 5.2 | 329.9 | 329.4 | 0.5 |
| C | 20.92 | 228 | 4,531 | 5.3 | 334.3 | 333.8 | 0.5 |
| D | 21.91 | 179 | 3,796 | 6.3 | 339.3 | 338.8 | 0.5 |
| E | 22.93 | 250 | 4,622 | 5.2 | 345.1 | 344.6 | 0.5 |
| F | 24.24 | 179 | 4,498 | 5.3 | 350.4 | 349.9 | 0.5 |
| G | 25.01 | 235 | 5,604 | 3.9 | 353.0 | 352.5 | 0.5 |
| H | 25.96 | 186 | 4,520 | 4.8 | 355.5 | 355.0 | 0.5 |
| I | 26.67 | 135 | 3,610 | 6.0 | 358.2 | 357.7 | 0.5 |
| J | 27.06 | 200 | 4,597 | 4.7 | 360.6 | 360.1 | 0.5 |
| K | 27.26 | 127 | 3,037 | 7.1 | 361.6 | 361.1 | 0.5 |
| L | 27.90 | 309 | 5,161 | 4.2 | 365.9 | 365.4 | 0.5 |

[1] Miles above mouth

[2] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**
**(UNINCORPORATED AREAS)**

## FLOODWAY DATA

## UNNAMED CREEK 34-VALLEY CREEK

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Valley Creek (cont'd) | | | | | | | |
| M | 28.35 | 175 | 3,479 | 6.1 | 368.3 | 367.8 | 0.5 |
| N | 29.18 | 204 | 3,215 | 6.6 | 376.5 | 376.0 | 0.5 |
| O | 29.58 | 228 | 4,717 | 4.5 | 381.5 | 380.9 | 0.6 |
| P | 30.22 | 183 | 2,965 | 6.4 | 386.2 | 385.7 | 0.5 |
| Q | 30.80 | 196 | 3,133 | 6.0 | 391.6 | 391.1 | 0.5 |
| R | 31.10 | 147 | 2,371 | 7.9 | 394.8 | 394.3 | 0.5 |
| S | 31.38 | 145 | 2,554 | 7.4 | 398.1 | 397.6 | 0.5 |
| T | 32.34 | 190 | 3,164 | 5.9 | 403.4 | 402.8 | 0.6 |
| U | 33.43 | 810 | 9,761 | 1.8 | 410.1 | 409.5 | 0.6 |
| V | 34.74 | 421 | 5,111 | 3.5 | 415.7 | 415.1 | 0.6 |
| W | 35.52 | 359 | 5,002 | 3.6 | 419.8 | 419.2 | 0.6 |
| X | 35.88 | 126 | 2,227 | 8.1 | 421.9 | 421.4 | 0.5 |
| Y | 36.48 | 321 | 5,727 | 3.1 | 428.3 | 427.7 | 0.6 |
| Z | 37.09 | 682 | 8,211 | 2.1 | 430.4 | 429.8 | 0.6 |
| AA | 37.66 | 466 | 6,216 | 2.8 | 432.0 | 431.4 | 0.6 |
| AB | 38.13 | 1,653 | 13,089 | 1.2 | 434.2 | 433.6 | 0.6 |
| AC | 38.44 | 1,283 | 9,500 | 1.7 | 434.4 | 433.8 | 0.6 |
| AD | 38.68 | 239 | 2,541 | 6.2 | 435.1 | 434.5 | 0.6 |

[1] Miles above mouth

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**VALLEY CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Valley Creek (cont'd) | | | | | | | |
| AE | 39.10 | 379 | 2,128 | 7.4 | 442.6 | 442.6 | 0.0 |
| AF | 39.38 | 125 | 1,679 | 9.4 | 449.1 | 448.4 | 0.7 |
| AG | 39.69 | 375 | 5,302 | 2.8 | 456.5 | 455.8 | 0.7 |
| AH | 39.99 | 420 | 4,789 | 3.1 | 457.1 | 456.4 | 0.7 |
| AI | 40.52 | 1,668 | 10,263 | 1.5 | 458.5 | 457.9 | 0.6 |
| AJ | 40.78 | 1,926[2] | 11,966 | 1.2 | 458.9 | 458.3 | 0.6 |
| AK | 41.02 | 273 | 2,682 | 5.5 | 459.7 | 459.1 | 0.6 |
| AL | 41.34 | 708[2] | 6,094 | 2.4 | 462.9 | 462.3 | 0.6 |
| AM | 41.56 | 982[2] | 7,406 | 2.0 | 463.5 | 462.9 | 0.6 |
| AN | 41.83 | 670 | 4,620 | 3.1 | 464.5 | 463.9 | 0.6 |
| AO | 42.14 | 1,573 | 8,794 | 1.3 | 467.2 | 466.6 | 0.6 |
| AP | 42.61 | 303 | 2,139 | 5.3 | 469.7 | 469.2 | 0.5 |
| AQ | 42.93 | 509 | 5,376 | 2.1 | 474.1 | 473.5 | 0.6 |
| AR[3] | 43.32 | 327 | 3,803 | 2.9 | 474.8 | 474.2 | 0.6 |
| AS[3] | 43.64 | 762 | 4,546 | 2.4 | 479.9 | 479.3 | 0.6 |
| AT[3] | 43.88 | 740 | 4,058 | 2.7 | 480.8 | 480.2 | 0.6 |
| AU | 44.17 | 652[2] | 3,514 | 3.1 | 482.1 | 481.4 | 0.7 |
| AV[3] | 44.54 | 492 | 4,341 | 2.4 | 484.0 | 483.4 | 0.6 |
| AW[3] | 44.75 | 925 | 5,473 | 1.9 | 484.4 | 483.8 | 0.6 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

[3] Floodway outside corporate limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

78

**FLOODWAY DATA**

**VALLEY CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Valley Creek (cont'd) | | | | | | | |
| AX[3] | 44.97 | 677 | 3,713 | 2.8 | 485.1 | 484.5 | 0.6 |
| AY[3] | 45.47 | 356 | 2,067 | 5.0 | 488.5 | 488.0 | 0.5 |
| AZ[3] | 45.95 | 249 | 2,219 | 4.7 | 492.9 | 492.4 | 0.5 |
| BA[3] | 46.42 | 397 | 3,447 | 3.0 | 496.4 | 496.0 | 0.4 |
| BB | 46.87 | 452[2] | 3,014 | 3.3 | 499.5 | 499.1 | 0.4 |
| BC | 45.15 | 687[2] | 3,639 | 2.7 | 500.7 | 500.2 | 0.5 |
| BD | 47.42 | 194[2] | 1,119 | 8.1 | 503.1 | 502.7 | 0.4 |
| BE | 47.76 | 426[2] | 2,576 | 3.4 | 508.1 | 507.5 | 0.6 |
| BF | 48.09 | 744 | 6,645 | 2.3 | 517.6 | 516.6 | 1.0 |
| BG | 48.46 | 913 | 7,722 | 2.0 | 518.3 | 517.3 | 1.0 |
| BH | 49.19 | 545 | 4,647 | 2.9 | 525.5 | 524.5 | 1.0 |
| BI | 49.49 | 527 | 2,935 | 4.6 | 527.6 | 526.6 | 1.0 |
| BJ | 49.79 | 283 | 2,954 | 4.6 | 530.2 | 529.2 | 1.0 |
| BK | 50.17 | 700 | 3,272 | 4.1 | 532.3 | 531.3 | 1.0 |
| BL | 50.43 | 553 | 3,543 | 3.8 | 534.3 | 533.3 | 1.0 |
| BM | 50.77 | 268 | 1,721 | 7.7 | 537.2 | 536.2 | 1.0 |
| BN | 51.06 | 405 | 2,209 | 5.9 | 540.9 | 539.9 | 1.0 |
| BO | 51.38 | 312 | 2,409 | 5.4 | 544.6 | 543.6 | 1.0 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

[3] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**VALLEY CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Valley Creek (cont'd) | | | | | | | |
| BP | 51.62 | 490 | 3,734 | 3.4 | 547.0 | 546.0 | 1.0 |
| BQ | 51.84 | 415 | 2,348 | 5.3 | 548.3 | 547.3 | 1.0 |
| BR | 52.08 | 652 | 3,581 | 3.5 | 551.1 | 550.1 | 1.0 |
| BS | 52.32 | 512 | 2,539 | 4.6 | 552.9 | 551.9 | 1.0 |
| BT | 52.59 | 440 | 1,701 | 6.6 | 555.3 | 554.3 | 1.0 |
| BU | 52.80 | 84 | 1,027 | 10.8 | 557.9 | 556.9 | 1.0 |
| BV | 52.98 | 296 | 2,470 | 3.9 | 561.4 | 560.4 | 1.0 |
| BW | 53.22 | 814 | 3,273 | 2.9 | 562.8 | 561.8 | 1.0 |
| BX | 53.49 | 479 | 3,392 | 2.8 | 565.2 | 564.2 | 1.0 |
| BY | 53.70 | 65 | 799 | 11.5 | 566.8 | 565.8 | 1.0 |
| Fivemile Creek (Valley Creek Basin) | | | | | | | |
| A | 0.42 | 219 | 1,837 | 3.9 | 428.4[2] | 427.4[2] | 1.0 |
| B | 0.72 | 580 | 4,920 | 1.4 | 431.9[2] | 430.9[2] | 1.0 |

[1] Miles above mouth

[2] Elevation computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

80

**FLOODWAY DATA**

**VALLEY CREEK-FIVEMILE CREEK (VALLEY CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Valley Creek Basin) (cont'd) | | | | | | | |
| C | 0.99 | 218 | 1,649 | 4.1 | 436.3[2] | 435.3[2] | 1.0 |
| D | 1.44 | 301 | 2,520 | 2.7 | 441.5 | 440.5 | 1.0 |
| E | 1.78 | 227 | 2,243 | 3.0 | 444.6 | 443.6 | 1.0 |
| F | 1.90 | 155 | 1,464 | 4.6 | 446.0 | 445.0 | 1.0 |
| G | 2.21 | 387 | 2,435 | 2.6 | 451.8 | 450.8 | 1.0 |
| H | 2.40 | 263 | 1,733 | 3.6 | 455.1 | 454.1 | 1.0 |
| I | 2.82 | 382 | 2,346 | 2.7 | 462.0 | 461.0 | 1.0 |
| J | 3.11 | 424 | 3,278 | 1.9 | 464.6 | 463.6 | 1.0 |
| K | 3.49 | 461 | 2,817 | 2.1 | 467.5 | 466.5 | 1.0 |
| L | 4.04 | 374 | 3.092 | 1.8 | 474.2 | 473.2 | 1.0 |
| M | 4.87 | 284 | 1,293 | 3.2 | 479.5 | 478.5 | 1.0 |
| N | 5.46 | 238 | 745 | 3.6 | 487.8 | 486.8 | 1.0 |
| O | 5.88 | 220 | 874 | 2.0 | 496.5 | 495.5 | 1.0 |
| P | 6.10 | 142 | 610 | 2.8 | 500.0 | 499.0 | 1.0 |
| Q | 6.33 | 281 | 1,243 | 1.4 | 503.3 | 502.3 | 1.0 |
| R | 6.50 | 251 | 534 | 2.2 | 508.0 | 507.0 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

**TABLE 2**

**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**JEFFERSON COUNTY, AL**
**(UNINCORPORATED AREAS)**

## FLOODWAY DATA

## FIVEMILE CREEK (VALLEY CREEK BASIN)

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Fivemile Creek (Valley Creek Basin) (cont'd) | | | | | | | |
| S | 6.65 | 305 | 673 | 1.6 | 513.1 | 512.1 | 1.0 |
| T | 6.79 | 60 | 197 | 4.6 | 517.3 | 516.3 | 1.0 |
| U | 6.90 | 86 | 220 | 4.0 | 522.3 | 521.3 | 1.0 |
| Halls Creek | | | | | | | |
| A | 0.66 | 293 | 1,970 | 2.6 | 447.9[2] | 446.9[2] | 1.0 |
| B | 0.85 | 284 | 1,138 | 2.2 | 449.8[2] | 448.8[2] | 1.0 |
| C[3] | 1.08 | 40 | 263 | 9.4 | 458.1 | 457.1 | 1.0 |
| D[3] | 1.28 | 203 | 837 | 2.9 | 464.2 | 463.2 | 1.0 |
| E[3] | 1.45 | 110 | 460 | 5.2 | 469.4 | 468.4 | 1.0 |
| F[3] | 1.62 | 638 | 2,698 | 0.9 | 476.8 | 475.8 | 1.0 |
| G[3] | 1.81 | 350 | 1,607 | 1.4 | 479.2 | 478.2 | 1.0 |
| H[3] | 2.00 | 173 | 339 | 6.2 | 483.9 | 482.9 | 1.0 |
| I[3] | 2.15 | 525 | 2,037 | 1.0 | 492.6 | 491.6 | 1.0 |
| J[3] | 2.33 | 925 | 4,506 | 0.4 | 494.8 | 493.8 | 1.0 |
| K[3] | 2.46 | 737 | 3,386 | 0.6 | 499.8 | 498.8 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effect

[3] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## FIVEMILE CREEK (VALLEY CREEK BASIN)-HALLS CREEK

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Halls Creek (con't) | | | | | | | |
| L[2] | 2.62 | 409 | 1,262 | 1.4 | 499.9 | 498.9 | 1.0 |
| Unnamed Creek 38 | | | | | | | |
| A[2] | 0.28 | 84 | 494 | 7.5 | 452.8[4] | 451.8[4] | 1.0 |
| B[2] | 0.35 | 43 | 292 | 12.6 | 456.7[4] | 455.7[4] | 1.0 |
| C[2] | 0.56 | 150 | 374 | 9.7 | 466.6 | 465.6 | 1.0 |
| D[2] | 0.84 | 275 | 1,488 | 2.4 | 478.4 | 477.4 | 1.0 |
| E[2] | 1.12 | 348 | 1,472 | 2.3 | 479.3 | 478.3 | 1.0 |
| F[3] | 1.53 | 328 | 1,626 | 2.0 | 485.5 | 484.5 | 1.0 |
| G[2] | 1.68 | 169 | 853 | 3.8 | 488.0 | 487.0 | 1.0 |
| H | 1.87 | 448 | 2,434 | 0.9 | 496.3 | 495.3 | 1.0 |
| I | 2.05 | 54 | 312 | 7.1 | 499.8 | 498.8 | 1.0 |
| J | 2.20 | 93 | 352 | 5.1 | 505.4 | 504.4 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

[3] Floodway extends beyond county limits

[4] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**HALLS CREEK-UNNAMED CREEK 38**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Opossum Creek | | | | | | | |
| A | 0.41 | 266 | 1,938 | 3.6 | 469.5 | 468.5 | 1.0 |
| B | 0.62 | 206 | 1,582 | 3.5 | 471.2 | 470.2 | 1.0 |
| C | 0.94 | 200 | 1,280 | 4.3 | 474.9 | 473.9 | 1.0 |
| D | 1.24 | 375 | 1,555 | 3.5 | 478.6 | 477.6 | 1.0 |
| E | 1.44 | 190 | 1,212 | 4.4 | 480.8 | 479.8 | 1.0 |
| F | 1.59 | 349 | 855 | 6.3 | 483.5 | 482.5 | 1.0 |
| G | 1.81 | 714 | 3,029 | 1.8 | 486.5 | 485.5 | 1.0 |
| H | 2.02 | 392 | 1,590 | 3.3 | 487.3 | 486.3 | 1.0 |
| I | 2.08 | 220 | 1,077 | 4.9 | 488.3 | 487.3 | 1.0 |
| J | 2.41 | 393 | 2,579 | 2.0 | 492.0 | 291.0 | 1.0 |
| K | 2.64 | 231 | 1,495 | 3.3 | 493.5 | 492.5 | 1.0 |
| L | 2.96 | 157 | 824 | 6.0 | 500.9 | 499.9 | 1.0 |
| M | 3.22 | 333 | 1,326 | 2.1 | 505.9 | 505.2 | 0.7 |
| N | 3.57 | 49 | 388 | 6.8 | 508.9 | 507.9 | 1.0 |
| O | 3.76 | 269 | 1,060 | 2.5 | 511.9 | 510.9 | 1.0 |
| P | 3.99 | 159 | 466 | 5.3 | 516.0 | 515.0 | 1.0 |
| Q | 4.23 | 170 | 528 | 4.7 | 523.3 | 522.3 | 1.0 |
| R | 4.50 | 102 | 520 | 4.7 | 527.8 | 526.8 | 1.0 |
| S | 4.76 | 181 | 809 | 3.0 | 532.5 | 531.5 | 1.0 |

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

84

**FLOODWAY DATA**

**OPOSSUM CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE [1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Opossum Creek (con't.) | | | | | | | |
| T | 5.05 | 74 | 412 | 5.8 | 535.6 | 534.6 | 1.0 |
| U | 5.34 | 335 | 1,292 | 1.4 | 538.5 | 537.5 | 1.0 |
| V | 5.58 | 97 | 369 | 4.2 | 542.8 | 541.8 | 1.0 |
| W | 5.92 | 106 | 304 | 4.6 | 548.7 | 547.7 | 1.0 |
| Unnamed Creek 40 | | | | | | | |
| A | 0.17 | 321 | 3,488 | 0.9 | 474.6 | 473.6 | 1.0 |
| B[2] | 0.37 | 733 | 6,623 | 0.3 | 474.7 | 473.7 | 1.0 |
| C[3] | 0.63 | 202 | 1,542 | 1.3 | 475.0 | 474.0 | 1.0 |
| D[3] | 0.88 | 203 | 789 | 2.2 | 476.0 | 475.0 | 1.0 |
| E[3] | 1.07 | 22 | 191 | 8.1 | 478.2 | 477.2 | 1.0 |
| F[3] | 1.19 | 83 | 402 | 3.8 | 480.4 | 479.4 | 1.0 |
| G[3] | 1.35 | 30 | 216 | 6.9 | 482.3 | 481.3 | 1.0 |
| Unnamed Creek 41 | | | | | | | |
| A | 0.48 | 225 | 706 | 3.4 | 468.3 | 467.3 | 1.0 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

[3] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

## FLOODWAY DATA

## OPOSSUM CREEK- UNNAMED CREEK 40-UNNAMED CREEK 41

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 41 (con't) | | | | | | | |
| B | 0.62 | 217 | 555 | 4.2 | 471.3 | 470.3 | 1.0 |
| C[2] | 0.74 | 178 | 584 | 4.0 | 474.4 | 473.4 | 1.0 |
| D[2] | 0.87 | 338 | 819 | 2.8 | 477.8 | 476.8 | 1.0 |
| E[2] | 1.02 | 161 | 468 | 4.8 | 482.6 | 481.6 | 1.0 |
| F[2] | 1.14 | 80 | 357 | 6.0 | 487.1 | 486.1 | 1.0 |
| G[2] | 1.24 | 37 | 190 | 10.8 | 490.4 | 489.5 | 0.9 |
| H[2] | 1.38 | 215 | 351 | 5.6 | 494.2 | 493.2 | 1.0 |
| I[2] | 1.58 | 114 | 692 | 2.7 | 501.3 | 500.3 | 1.0 |
| J[2] | 1.69 | 375 | 1,248 | 1.5 | 502.5 | 501.5 | 1.0 |
| K[2] | 1.80 | 21 | 160 | 10.9 | 506.2 | 505.2 | 1.0 |
| L[2] | 1.83 | 17 | 150 | 11.2 | 506.6 | 505.6 | 1.0 |
| M[2] | 2.04 | 820 | 4,893 | 0.3 | 516.8 | 515.8 | 1.0 |
| N[2] | 2.17 | 320 | 1,410 | 1.1 | 522.3 | 521.3 | 1.0 |
| Unnamed Creek 45 | | | | | | | |
| A | 0.36 | 210 | 579 | 3.3 | 506.4 | 505.4 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

86

**FLOODWAY DATA**

**UNNAMED CREEK 41 - UNNAMED CREEK 45**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 45 (con't.) | | | | | | | |
| B | 0.52 | 263 | 1,184 | 1.6 | 513.2 | 512.2 | 1.0 |
| C | 0.56 | 265 | 409 | 4.7 | 514.8 | 513.8 | 1.0 |
| D[2] | 0.73 | 542 | 3,841 | 0.5 | 525.2 | 524.2 | 1.0 |
| E[3] | 0.88 | 162 | 750 | 2.5 | 527.1 | 526.1 | 1.0 |
| F | 0.99 | 77 | 410 | 4.4 | 530.8 | 529.8 | 1.0 |
| G[3] | 1.10 | 169 | 871 | 1.8 | 539.5 | 538.5 | 1.0 |
| Unnamed Creek 46 | | | | | | | |
| A[2] | 0.10 | 33 | 242 | 8.0 | 502.5 | 501.5 | 1.0 |
| B[2] | 0.12 | 379 | 1,004 | 1.9 | 506.5 | 505.5 | 1.0 |
| C[2] | 0.22 | 128 | 431 | 4.5 | 507.1 | 506.1 | 1.0 |
| D[2] | 0.27 | 499 | 5,106 | 0.4 | 513.8 | 512.8 | 1.0 |
| E[2] | 0.36 | 751 | 1,978 | 1.0 | 513.8 | 512.8 | 1.0 |
| F[2] | 0.41 | 410 | 1,601 | 1.2 | 514.0 | 513.0 | 1.0 |
| G[2] | 0.52 | 26 | 173 | 10.5 | 517.0 | 516.0 | 1.0 |

[1] Miles above mouth
[2] Floodway outside county limits
[3] Floodway extends beyond county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## UNNAMED CREEK 45-UNNAMED CREEK 46

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Unnamed Creek 48[2] | | | | | | | |
| A | 0.24 | 264 | 947 | 3.5 | 560.8 | 559.8 | 1.0 |
| B | 0.38 | 46 | 420 | 7.7 | 563.0 | 562.0 | 1.0 |
| C | 0.63 | 832 | 7,163 | 0.4 | 574.0 | 573.0 | 1.0 |
| D | 0.78 | 1,030 | 6,966 | 0.2 | 574.1 | 573.1 | 1.0 |
| E | 0.99 | 395 | 1,106 | 1.4 | 574.5 | 573.5 | 1.0 |
| F | 1.08 | 202 | 363 | 4.1 | 576.2 | 575.2 | 1.0 |
| Unnamed Creek 49[2] | | | | | | | |
| A | 0.21 | 287 | 1,067 | 2.7 | 573.1[3] | 572.1[3] | 1.0 |
| B | 0.37 | 84 | 352 | 7.6 | 578.4 | 577.4 | 1.0 |
| C | 0.52 | 96 | 430 | 6.1 | 582.2 | 581.2 | 1.0 |
| D | 0.64 | 688 | 885 | 2.9 | 585.2 | 584.2 | 1.0 |
| Nabors Branch[2] | | | | | | | |
| A | 0.23 | 150 | 924 | 4.3 | 521.6[3] | 521.1[3] | 0.5 |
| B | 0.44 | 112 | 937 | 3.2 | 525.4 | 524.4 | 1.0 |
| C | 0.62 | 87 | 547 | 5.5 | 526.9 | 525.9 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

[3] Elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

88

**FLOODWAY DATA**

**UNNAMED CREEK 48-UNNAMED CREEK 49-NABORS BRANCH**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Nabors Branch[2] (cont'd) | | | | | | | |
| D | 0.83 | 399 | 1,569 | 1.8 | 529.3 | 528.3 | 1.0 |
| E | 0.97 | 82 | 316 | 5.8 | 531.3 | 530.3 | 1.0 |
| F | 1.10 | 279 | 627 | 2.7 | 534.8 | 533.8 | 1.0 |
| G | 1.56 | 21 | 123 | 9.4 | 546.2 | 545.9 | 0.3 |
| H | 1.59 | 120 | 450 | 2.6 | 548.7 | 547.7 | 1.0 |
| I | 1.63 | 44 | 175 | 5.8 | 550.1 | 549.1 | 1.0 |
| J | 1.66 | 69 | 306 | 3.3 | 551.0 | 550.0 | 1.0 |
| K | 1.76 | 20 | 113 | 8.0 | 551.6 | 550.6 | 1.0 |
| L | 1.84 | 19 | 128 | 6.8 | 554.6 | 553.6 | 1.0 |
| M | 1.91 | 14 | 101 | 8.3 | 556.9 | 555.9 | 1.0 |
| N | 1.97 | 28 | 171 | 4.8 | 559.3 | 558.3 | 1.0 |
| O | 2.00 | 130 | 443 | 1.9 | 562.3 | 561.3 | 1.0 |
| P | 2.04 | 85 | 248 | 3.2 | 562.4 | 561.4 | 1.0 |
| Q | 2.06 | 23 | 124 | 6.3 | 563.5 | 562.5 | 1.0 |
| Shades Creek[3] | | | | | | | |
| D | 9.44 | 184 | 1,690 | 10.2 | 395.8 | 394.8 | 1.0 |
| E | 9.78 | 269 | 2,211 | 7.4 | 405.8 | 404.8 | 1.0 |

[1] Miles above confluence
[2] Floodway outside county limits
[3] No Floodway Data Available for cross sections A-C

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**NABORS BRANCH-SHADES CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Shades Creek (cont'd) | | | | | | | |
| F | 10.15 | 85 | 1,272 | 12.8 | 416.1 | 415.1 | 1.0 |
| G | 10.46 | 125 | 1,437 | 11.3 | 426.9 | 425.9 | 1.0 |
| H | 10.86 | 215 | 2,660 | 6.1 | 436.8 | 435.8 | 1.0 |
| I | 11.43 | 78 | 1,285 | 12.7 | 445.6 | 444.6 | 1.0 |
| J | 11.85 | 163 | 1,797 | 9.0 | 454.9 | 453.9 | 1.0 |
| K | 12.09 | 168 | 2,098 | 7.7 | 460.3 | 459.3 | 1.0 |
| L | 12.40 | 105 | 1,663 | 9.7 | 465.4 | 464.4 | 1.0 |
| M | 12.73 | 134 | 2,199 | 7.3 | 470.7 | 469.7 | 1.0 |
| N | 13.04 | 218 | 3,464 | 4.6 | 473.7 | 472.7 | 1.0 |
| O | 13.30 | 460 | 4,344 | 3.7 | 475.2 | 474.2 | 1.0 |
| P | 13.48 | 109 | 1,925 | 8.4 | 476.1 | 475.1 | 1.0 |
| Q | 14.07 | 563 | 6,780 | 2.4 | 480.3 | 479.3 | 1.0 |
| R | 14.27 | 224 | 3,686 | 4.4 | 480.8 | 479.8 | 1.0 |
| S | 14.52 | 176 | 2,913 | 5.5 | 482.0 | 481.0 | 1.0 |
| T | 15.01 | 477 | 8,119 | 2.0 | 484.7 | 483.7 | 1.0 |
| U | 15.28 | 1,020 | 12,112 | 1.3 | 485.3 | 484.3 | 1.0 |
| V | 15.56 | 689 | 8,706 | 1.8 | 485.7 | 484.7 | 1.0 |
| W | 16.28 | 428 | 5,507 | 2.9 | 487.6 | 486.6 | 1.0 |

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[1] Miles above confluence

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

90

**FLOODWAY DATA**

**SHADES CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Shades Creek (cont'd) | | | | | | | |
| X | 16.51 | 172 | 2,333 | 6.9 | 488.0 | 487.0 | 1.0 |
| Y | 17.03 | 1,031 | 16,445 | 1.0 | 491.2 | 490.2 | 1.0 |
| Z | 17.21 | 451 | 6,005 | 2.7 | 491.3 | 490.3 | 1.0 |
| AA | 17.35 | 176 | 2,775 | 5.8 | 491.6 | 490.6 | 1.0 |
| AB | 17.49 | 476 | 8,513 | 1.9 | 493.6 | 492.6 | 1.0 |
| AC | 17.98 | 1,026 | 12,819 | 1.3 | 494.0 | 493.0 | 1.0 |
| AD | 19.61 | 2,306 | 30,819 | 0.5 | 495.5 | 494.5 | 1.0 |
| AE | 20.58 | 2,245 | 17,471 | 0.9 | 495.7 | 494.7 | 1.0 |
| AF | 21.86 | 1,797 | 9,907 | 1.6 | 500.5 | 499.5 | 1.0 |
| AG | 24.10 | 1,767 | 10,981 | 1.5 | 506.9 | 505.9 | 1.0 |
| AH | 26.85 | 3,076 | 27,574 | 0.6 | 514.8 | 513.8 | 1.0 |
| AI | 27.56 | 1,253 | 5,849 | 2.7 | 516.5 | 515.5 | 1.0 |
| AJ | 27.86 | 771 | 7,132 | 2.3 | 518.8 | 517.8 | 1.0 |
| AK | 28.08 | 242 | 2,900 | 5.6 | 520.1 | 519.1 | 1.0 |
| AL | 28.81 | 842 | 9,735 | 1.7 | 524.1 | 523.1 | 1.0 |
| AM | 29.14 | 109 | 1,576 | 10.2 | 527.1 | 526.1 | 1.0 |
| AN | 29.72 | 232 | 3,661 | 4.4 | 536.1 | 535.1 | 1.0 |

[1] Miles above confluence

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

## FLOODWAY DATA

## SHADES CREEK

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Shades Creek (cont'd) | | | | | | | |
| AO | 29.96 | 412 | 4,223 | 3.8 | 538.1 | 537.1 | 1.0 |
| AP | 30.37 | 302 | 3,683 | 4.4 | 541.2 | 540.2 | 1.0 |
| AQ | 30.59 | 209 | 3,230 | 5.0 | 542.6 | 541.6 | 1.0 |
| AR | 31.10 | 926 | 16,288 | 1.0 | 544.9 | 543.9 | 1.0 |
| AS | 31.45 | 892 | 11,485 | 1.4 | 545.5 | 544.5 | 1.0 |
| AT | 31.80 | 217 | 3,483 | 4.6 | 546.7 | 545.7 | 1.0 |
| AU | 32.14 | 172 | 2,935 | 5.5 | 548.8 | 547.8 | 1.0 |
| AV | 32.29 | 207 | 2,442 | 6.6 | 549.8 | 548.8 | 1.0 |
| AW | 32.58 | 200 | 2,873 | 5.6 | 556.1 | 555.1 | 1.0 |
| AX | 33.23 | 383 | 5,985 | 2.7 | 562.5 | 561.5 | 1.0 |
| AY | 33.43 | 335 | 5,406 | 3.0 | 563.1 | 562.1 | 1.0 |
| AZ | 33.96 | 767 | 10,463 | 1.5 | 565.5 | 564.5 | 1.0 |
| BA | 34.65 | 612 | 8,770 | 1.8 | 566.6 | 565.6 | 1.0 |
| BB | 35.26 | 952 | 9,320 | 1.7 | 568.0 | 567.0 | 1.0 |
| BC | 35.75 | 297 | 4,304 | 3.7 | 569.8 | 568.8 | 1.0 |
| BD | 36.15 | 150 | 2,424 | 6.6 | 572.2 | 571.2 | 1.0 |
| BE | 36.51 | 102 | 1,885 | 8.5 | 575.8 | 574.8 | 1.0 |
| BF | 37.15 | 323 | 4,993 | 3.2 | 581.2 | 580.2 | 1.0 |

[1] Miles above confluence

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**SHADES CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Shades Creek (cont'd) | | | | | | | |
| BG | 37.51 | 107 | 1,820 | 8.8 | 583.8 | 582.8 | 1.0 |
| BH | 37.83 | 120 | 3,870 | 4.2 | 588.7 | 587.7 | 1.0 |
| BI | 38.04 | 108 | 2,325 | 6.9 | 589.8 | 588.8 | 1.0 |
| BJ | 38.30 | 964 | 15,365 | 1.0 | 591.9 | 590.9 | 1.0 |
| BK | 38.59 | 353 | 5,298 | 3.0 | 592.3 | 591.3 | 1.0 |
| BL | 38.77 | 501 | 5,976 | 2.7 | 592.8 | 591.8 | 1.0 |
| BM | 39.30 | 528 | 5,309 | 3.0 | 595.4 | 594.4 | 1.0 |
| BN | 39.59 | 81 | 1,095 | 14.7 | 600.1 | 599.1 | 1.0 |
| BO | 39.84 | 307 | 3,473 | 4.6 | 608.3 | 607.3 | 1.0 |
| BP | 40.05 | 422 | 5,492 | 2.9 | 610.0 | 609.0 | 1.0 |
| BQ | 40.72 | 417 | 6,403 | 2.5 | 620.5 | 619.5 | 1.0 |
| BR | 41.36 | 369 | 5,464 | 2.9 | 622.1 | 621.2 | 0.9 |
| BS | 41.61 | 364 | 3,823 | 4.2 | 622.9 | 622.0 | 0.9 |
| BT | 41.88 | 550 | 5,451 | 2.9 | 623.9 | 622.9 | 1.0 |
| BU | 42.08 | 396 | 6,114 | 2.6 | 624.4 | 623.4 | 1.0 |
| BV | 42.33 | 446 | 5,930 | 2.7 | 625.1 | 624.1 | 1.0 |
| BW | 42.58 | 328 | 3,538 | 4.5 | 626.1 | 625.1 | 1.0 |
| BX | 42.74 | 153 | 2,598 | 6.1 | 627.0 | 626.0 | 1.0 |

[1] Miles above confluence

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**SHADES CREEK**

BEST COPY AVAILABLE

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FEET) | SECTION AREA (SQ. FEET) | MEAN VELOCITY (FEET/SEC.) | WITH FLOODWAY (FEET NGVD) | WITHOUT FLOODWAY (FEET NGVD) | DIFFERENCE (FEET) |
| **SHADES CREEK** | | | | | | | |
| BY[2] | 42.94 | 183 | 2276 | 6.9 | 628.2 | 627.3 | 0.9 |
| BZ[3] | 43.85 | 648 | 7479 | 1.9 | 633.5 | 632.8 | 0.7 |
| CA | 44.22 | 435 | 5101 | 2.7 | 635.0 | 634.3 | 0.7 |
| CB[3] | 44.55 | 380 | 4384 | 3.2 | 636.7 | 636.0 | 0.7 |
| CC[2] | 44.71 | 230 | 2203 | 6.3 | 637.4 | 636.7 | 0.7 |
| CD[2] | 44.92 | 350 | 3639 | 3.8 | 639.1 | 638.3 | 0.8 |
| CE[2] | 45.28 | 130 | 1447 | 9.4 | 641.2 | 640.2 | 1.0 |
| CF[2] | 45.52 | 490 | 3131 | 4.3 | 645.5 | 644.9 | 0.6 |
| CG[2] | 45.78 | 320 | 2600 | 5.2 | 648.5 | 647.7 | 0.8 |
| CH[2] | 46.07 | 133 | 1762 | 7.5 | 650.2 | 649.3 | 0.9 |
| CI[2] | 46.83 | 346 | 4578 | 2.6 | 657.4 | 657.2 | 0.2 |
| CJ[4] | | | | | | | |
| CK[2] | 47.66 | 221 | 2948 | 3.7 | 668.9 | 667.9 | 1.0 |
| CL[2] | 48.24 | 275 | 4018 | 2.6 | 676.0 | 675.0 | 1.0 |
| CM[2] | 48.95 | 491 | 5696 | 1.7 | 678.8 | 677.8 | 1.0 |
| CN | 49.41 | 306 | 2498 | 3.9 | 679.6 | 678.6 | 1.0 |
| CO | 49.72 | 162 | 1698 | 5.5 | 684.0 | 683.0 | 1.0 |
| CP | 50.13 | 111 | 1311 | 5.3 | 688.1 | 687.1 | 1.0 |

[1] MILES ABOVE CONFLUENCE
[2] FLOODWAY OUTSIDE COUNTY LIMITS
[3] FLOODWAY EXTENDS BEYOND COUNTY LIMITS
[4] NO FLOODWAY DATA AVAILABLE

REVISED: 7/17/86

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

94

**FLOODWAY DATA**

**SHADES CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Shades Creek (cont'd) | | | | | | | |
| CQ | 50.46 | 495 | 4,695 | 1.5 | 690.3 | 689.3 | 1.0 |
| CR | 50.60 | 543 | 4,019 | 1.7 | 690.4 | 689.4 | 1.0 |
| CS | 50.87 | 293 | 2,277 | 3.0 | 691.3 | 690.3 | 1.0 |
| CT | 51.25 | 296 | 2,138 | 2.9 | 694.0 | 693.0 | 1.0 |
| CU | 51.98 | 224 | 1,674 | 3.6 | 700.2 | 699.2 | 1.0 |
| CV | 52.29 | 735 | 3,165 | 1.7 | 703.0 | 702.0 | 1.0 |
| CW[2] | 52.62 | 256 | 1,681 | 3.0 | 705.6 | 704.6 | 1.0 |
| CX[2] | 53.33 | 710 | 3,244 | 1.4 | 713.7 | 712.7 | 1.0 |
| CY[2] | 53.52 | 178 | 958 | 4.6 | 714.7 | 713.7 | 1.0 |
| CZ[2] | 54.16 | 536 | 5,069 | 0.8 | 723.7 | 722.7 | 1.0 |
| DA | 54.76 | 721 | 2,395 | 1.4 | 726.4 | 725.4 | 1.0 |
| DB | 54.49 | 72 | 508 | 4.9 | 740.3 | 739.3 | 1.0 |
| DC | 55.85 | 79 | 568 | 4.2 | 748.1 | 747.1 | 1.0 |
| DD | 56.10 | 330 | 671 | 3.5 | 754.8 | 753.8 | 1.0 |
| Little Shades Creek (Shades Creek Basin) | | | | | | | |
| A | 1.02 | 315 | 1,996 | 2.2 | 515.2[3] | 514.2[3] | 1.0 |

[1] Miles above confluence

[2] Floodway outside county limits

[3] Elevation computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**SHADES CREEK-LITTLE SHADES CREEK (SHADES CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Little Shades Creek (Shades Creek Basin) (cont'd) | | | | | | | |
| B | 1.87 | 543 | 2,797 | 1.6 | 521.0 | 520.0 | 1.0 |
| C | 2.43 | 428 | 2,863 | 1.4 | 527.8 | 526.8 | 1.0 |
| D | 2.74 | 399 | 2,154 | 1.9 | 528.8 | 527.8 | 1.0 |
| E | 3.04 | 335 | 1,902 | 2.0 | 530.4 | 529.4 | 1.0 |
| F | 3.34 | 514 | 2,710 | 1.4 | 532.2 | 531.2 | 1.0 |
| G | 3.66 | 531 | 1,999 | 1.9 | 534.9 | 533.9 | 1.0 |
| H | 3.92 | 549 | 2,634 | 1.4 | 537.4 | 536.4 | 1.0 |
| I | 4.40 | 256 | 1,190 | 3.0 | 542.0 | 541.0 | 1.0 |
| J | 4.70 | 455 | 2,324 | 1.6 | 545.5 | 544.5 | 1.0 |
| K | 5.05 | 283 | 1,566 | 2.2 | 549.3 | 548.3 | 1.0 |
| L | 5.42 | 416 | 1,940 | 1.7 | 552.6 | 551.6 | 1.0 |
| M | 5.56 | 178 | 712 | 4.3 | 556.8 | 555.8 | 1.0 |
| N | 5.86 | 375 | 1,732 | 1.7 | 562.7 | 561.7 | 1.0 |
| O[2] | | | | | | | |
| P | 6.42 | 386 | 1,503 | 1.7 | 573.0 | 572.0 | 1.0 |
| Q | 6.76 | 506 | 2,894 | 0.8 | 574.2 | 573.2 | 1.0 |

[1] Miles above mouth

[2] No floodway data available

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

96

**FLOODWAY DATA**

**LITTLE SHADES CREEK (SHADES CREEK BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Little Shades Creek (shades Creek Basin) (cont'd) | | | | | | | |
| R | 7.11 | 346 | 1,137 | 1.8 | 577.6 | 576.6 | 1.0 |
| S | 7.65 | 217 | 567 | 3.4 | 589.7 | 588.7 | 1.0 |
| T | 8.02 | 106 | 636 | 2.9 | 595.5 | 594.5 | 1.0 |
| U | 8.22 | 156 | 701 | 2.6 | 598.6 | 597.6 | 1.0 |
| V | 8.45 | 259 | 1,001 | 1.7 | 601.4 | 600.4 | 1.0 |
| W | 8.67 | 153 | 684 | 2.5 | 603.8 | 602.8 | 1.0 |
| X | 8.92 | 406 | 1,059 | 1.4 | 606.9 | 605.9 | 1.0 |
| Y | 9.25 | 93 | 314 | 4.2 | 612.2 | 611.2 | 1.0 |
| Z | 9.62 | 141 | 591 | 2.0 | 617.3 | 616.3 | 1.0 |
| AA | 9.87 | 63 | 275 | 3.8 | 622.5 | 621.5 | 1.0 |
| AB | 10.07 | 100 | 299 | 3.1 | 630.2 | 629.2 | 1.0 |
| Cahaba River | | | | | | | |
| A | 132.97 | 444 | 14,057 | 2.4 | 417.4 | 416.4 | 1.0 |
| B | 133.40 | 586 | 14,062 | 2.4 | 418.2 | 417.2 | 1.0 |
| C | 133.81 | 769 | 20,348 | 1.7 | 419.2 | 418.2 | 1.0 |

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[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**LITTLE SHADES CREEK (SHADES CREEK BASIN)- CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River | | | | | | | |
| (cont) D[2] | 134.44 | 415 | 12,603 | 2.7 | 420.3 | 419.3 | 1.0 |
| E | 134.88 | 498 | 12,903 | 2.6 | 421.4 | 420.4 | 1.0 |
| F[3] | 136.24 | 634 | 14,241 | 2.3 | 424.6 | 423.6 | 1.0 |
| G[2] | 136.52 | 988 | 26,414 | 1.2 | 425.3 | 424.3 | 1.0 |
| H[3] | 136.83 | 1,003 | 25,446 | 1.3 | 425.7 | 424.7 | 1.0 |
| I | 137.30 | 618 | 17,681 | 1.8 | 425.8 | 424.8 | 1.0 |
| J | 138.22 | 601 | 14,381 | 2.3 | 426.5 | 425.5 | 1.0 |
| K | 138.81 | 368 | 11,737 | 2.8 | 427.5 | 426.5 | 1.0 |
| L[3] | 139.28 | 862 | 15,724 | 2.0 | 428.3 | 427.3 | 1.0 |
| M | 140.67 | 475 | 11,174 | 2.8 | 430.8 | 429.8 | 1.0 |
| N | 141.49 | 871 | 23,931 | 1.3 | 431.6 | 430.6 | 1.0 |
| O | 142.10 | 938 | 22,796 | 1.4 | 431.7 | 430.7 | 1.0 |
| P | 142.72 | 533 | 12,976 | 2.4 | 432.1 | 431.1 | 1.0 |
| Q | 143.51 | 1,439 | 29,235 | 1.1 | 434.1 | 433.1 | 1.0 |
| R | 144.15 | 736 | 12,740 | 2.4 | 434.7 | 433.8 | 0.9 |
| S[3] | 146.03 | 603 | 13,740 | 2.2 | 438.4 | 437.8 | 0.6 |
| T | 146.55 | 218 | 5,411 | 5.7 | 439.8 | 439.2 | 0.6 |
| U | 147.20 | 374 | 7,631 | 4.0 | 446.1 | 445.4 | 0.7 |
| V | 147.80 | 538 | 9,210 | 3.3 | 448.6 | 448.0 | 0.6 |

[1] Miles above mouth
[2] Floodway extends beyond county limits
[3] Located outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

98

**FLOODWAY DATA**

**CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| W | 148.08 | 409 | 8,998 | 3.4 | 449.7 | 449.1 | 0.6 |
| X | 148.30 | 432 | 8,365 | 3.6 | 451.9 | 451.3 | 0.6 |
| Y | 149.03 | 256 | 5,618 | 4.5 | 454.7 | 454.2 | 0.5 |
| Z | 149.64 | 242 | 5,772 | 4.4 | 457.2 | 456.7 | 0.5 |
| AA | 150.21 | 390 | 9,358 | 2.7 | 459.4 | 458.9 | 0.5 |
| AB | 150.72 | 322 | 7,889 | 3.2 | 461.5 | 461.0 | 0.5 |
| AC | 151.20 | 283 | 7,426 | 3.4 | 462.6 | 462.1 | 0.5 |
| AD | 151.63 | 320 | 7,563 | 3.3 | 463.7 | 463.2 | 0.5 |
| AE | 152.42 | 384 | 7,040 | 3.6 | 466.2 | 465.7 | 0.5 |
| AF[3] | 152.86 | 213 | 4,724 | 5.3 | 468.6 | 468.1 | 0.5 |
| AG | 153.47 | 389[2] | 7,416 | 3.4 | 472.7 | 472.2 | 0.5 |
| AH | 154.13 | 198 | 3,861 | 6.5 | 475.0 | 474.5 | 0.5 |
| AI | 154.60 | 295 | 6,681 | 3.7 | 479.5 | 479.0 | 0.5 |
| AJ | 155.07 | 283 | 6,852 | 3.7 | 481.6 | 481.1 | 0.5 |
| AK | 155.72 | 373 | 7,584 | 3.3 | 484.0 | 483.5 | 0.5 |
| AL | 156.78 | 278 | 6,730 | 3.7 | 487.1 | 486.6 | 0.5 |
| AM | 157.22 | 173 | 4,617 | 5.4 | 489.5 | 489.0 | 0.5 |
| AN | 157.71 | 206 | 5,417 | 4.6 | 492.0 | 491.5 | 0.5 |
| AO | 158.40 | 264 | 7,786 | 3.2 | 494.8 | 494.3 | 0.5 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

[3] Located outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| AP | 159.05 | 351 | 7,214 | 3.5 | 496.8 | 496.3 | 0.5 |
| AQ | 159.61 | 320 | 6,308 | 4.0 | 499.0 | 498.5 | 0.5 |
| AR | 160.31 | 309 | 7,133 | 3.5 | 501.4 | 500.9 | 0.5 |
| AS | 160.97 | 263 | 5,930 | 4.2 | 503.1 | 502.6 | 0.5 |
| AT | 161.42 | 183 | 4,885 | 5.1 | 504.6 | 504.1 | 0.5 |
| AU | 162.22 | 219 | 5,065 | 4.8 | 508.5 | 508.0 | 0.5 |
| AV | 162.69 | 253 | 4,920 | 4.9 | 510.3 | 509.7 | 0.6 |
| AW | 163.33 | 202 | 4,971 | 4.8 | 514.1 | 513.6 | 0.5 |
| AX | 163.85 | 215 | 5,330 | 4.5 | 516.3 | 515.8 | 0.5 |
| AY | 164.36 | 210 | 5,433 | 4.4 | 518.3 | 517.8 | 0.5 |
| AZ | 165.09 | 177 | 3,912 | 6.1 | 521.8 | 521.3 | 0.5 |
| BA | 165.68 | 431 | 5,552 | 4.3 | 526.7 | 526.3 | 0.4 |
| BB | 166.23 | 166 | 3,571 | 6.7 | 531.6 | 531.1 | 0.5 |
| BC | 166.67 | 277 | 4,541 | 5.2 | 535.9 | 535.4 | 0.5 |
| BD | 167.12 | 170 | 3,749 | 6.3 | 540.0 | 539.5 | 0.5 |
| BE | 167.84 | 193 | 4,108 | 5.7 | 547.6 | 547.1 | 0.5 |
| BF | 168.38 | 214 | 4,979 | 4.4 | 552.6 | 552.1 | 0.5 |
| BG | 168.78 | 221 | 5,672 | 3.9 | 554.6 | 554.1 | 0.5 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

100

**FLOODWAY DATA**

**CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| BH | 169.22 | 379 | 8,603 | 2.6 | 556.7 | 555.7 | 1.0 |
| BI | 169.65 | 139 | 4,070 | 5.4 | 558.2 | 557.2 | 1.0 |
| BJ | 170.28 | 218 | 5,791 | 3.8 | 561.6 | 560.6 | 1.0 |
| BK | 170.81 | 220 | 4,758 | 4.6 | 564.4 | 563.4 | 1.0 |
| BL | 171.08 | 148 | 3,472 | 6.4 | 566.0 | 565.0 | 1.0 |
| BM | 171.56 | 126 | 3,251 | 6.8 | 569.6 | 568.6 | 1.0 |
| BN | 171.91 | 152 | 3,947 | 5.6 | 571.9 | 570.9 | 1.0 |
| BO | 172.32 | 185 | 4,604 | 4.8 | 574.0 | 573.0 | 1.0 |
| BP | 173.11 | 216 | 5,287 | 4.2 | 577.6 | 576.6 | 1.0 |
| BQ | 173.50 | 215 | 5,139 | 4.3 | 579.2 | 578.2 | 1.0 |
| BR[2] | 173.91 | 175 | 4,628 | 4.8 | 581.0 | 580.0 | 1.0 |
| BS[3] | 175.10 | 122 | 2,912 | 5.0 | 587.5 | 586.5 | 1.0 |
| BT[2] | 175.31 | 124 | 2,962 | 4.9 | 589.0 | 588.0 | 1.0 |
| BU[2] | 175.70 | 253 | 5,385 | 2.7 | 590.7 | 589.7 | 1.0 |
| BV[3] | 177.26 | 654 | 6,911 | 2.1 | 593.8 | 592.8 | 1.0 |
| BW | 177.45 | 438 | 3,686 | 4.0 | 594.6 | 593.6 | 1.0 |

[1] Miles above mouth

[2] Floodway extends beyond county limits

[3] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| BX | 177.74 | 283 | 2,838 | 5.2 | 597.6 | 596.6 | 1.0 |
| BY | 177.93 | 74 | 1,159 | 12.6 | 600.0 | 599.0 | 1.0 |
| BZ | 178.14 | 256 | 2,151 | 6.8 | 606.8 | 605.8 | 1.0 |
| CA | 178.38 | 156 | 2,114 | 6.9 | 610.8 | 609.8 | 1.0 |
| CB | 178.54 | 178 | 1,527 | 9.6 | 614.8 | 613.8 | 1.0 |
| CC | 178.73 | 43 | 1,373 | 10.7 | 627.1 | 626.1 | 1.0 |
| CD | 178.89 | 72 | 1,145 | 12.8 | 632.2 | 631.2 | 1.0 |
| CE | 179.07 | 91 | 1,581 | 9.3 | 637.2 | 636.2 | 1.0 |
| CF | 179.21 | 104 | 1,393 | 10.5 | 639.7 | 638.7 | 1.0 |
| CG | 179.51 | 490 | 6,174 | 2.2 | 646.0 | 645.0 | 1.0 |
| CH | 179.78 | 511 | 4,716 | 2.2 | 647.0 | 646.0 | 1.0 |
| CI | 179.96 | 705 | 5,034 | 2.1 | 647.6 | 646.6 | 1.0 |
| CJ | 180.24 | 185 | 1,712 | 6.1 | 649.4 | 648.6 | 1.0 |
| CK | 180.48 | 76 | 1,064 | 9.8 | 656.7 | 655.7 | 1.0 |
| CL | 180.71 | 115 | 1,907 | 5.5 | 664.7 | 663.7 | 1.0 |
| CM | 180.97 | 96 | 1,289 | 8.1 | 668.5 | 667.5 | 1.0 |
| CN | 181.23 | 176 | 2,008 | 5.1 | 673.8 | 672.8 | 1.0 |
| CO | 181.75 | 71 | 1,087 | 9.4 | 683.8 | 682.8 | 1.0 |

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[1] Miles above mouth

| TABLE 2 | FEDERAL EMERGENCY MANAGEMENT AGENCY<br>**JEFFERSON COUNTY, AL**<br>**(UNINCORPORATED AREAS)** | **FLOODWAY DATA**<br>**CAHABA RIVER** |
|---|---|---|

102

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| CP | 182.15 | 328 | 4,975 | 2.0 | 689.5 | 688.5 | 1.0 |
| CQ | 182.54 | 220 | 3,172 | 3.1 | 690.5 | 689.5 | 1.0 |
| CR | 183.08 | 189 | 2,491 | 3.3 | 693.7 | 692.7 | 1.0 |
| CS[2] | 183.49 | 118 | 1,495 | 5.4 | 695.6 | 694.6 | 1.0 |
| CT[2] | 183.91 | 637 | 5,939 | 1.3 | 699.3 | 698.3 | 1.0 |
| CU | 184.31 | 515 | 2,777 | 2.8 | 700.6 | 699.6 | 1.0 |
| CV | 184.80 | 147 | 1,093 | 5.9 | 706.0 | 705.0 | 1.0 |
| CW | 185.16 | 116 | 1,330 | 4.8 | 714.0 | 713.0 | 1.0 |
| CX | 185.27 | 25 | 467 | 13.6 | 724.4 | 723.4 | 1.0 |
| CY | 185.39 | 192 | 2,309 | 2.7 | 731.6 | 730.6 | 1.0 |
| CZ | 185.47 | 377 | 3,755 | 1.7 | 732.1 | 731.1 | 1.0 |
| DA | 185.71 | 817 | 5,928 | 1.0 | 732.5 | 731.5 | 1.0 |
| DB | 185.94 | 387 | 2,040 | 3.0 | 734.3 | 733.3 | 1.0 |
| DC | 186.13 | 148 | 987 | 6.0 | 737.6 | 736.6 | 1.0 |
| DD | 186.38 | 119 | 906 | 6.3 | 745.7 | 744.7 | 1.0 |
| DE | 186.52 | 138 | 1,027 | 5.5 | 749.7 | 748.7 | 1.0 |
| DF | 186.70 | 260 | 1,767 | 3.2 | 755.2 | 754.2 | 1.0 |
| DG | 186.90 | 165 | 1,106 | 4.8 | 760.3 | 759.3 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

TABLE 2

**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| DH | 187.04 | 60 | 543 | 9.8 | 764.1 | 763.1 | 1.0 |
| DI | 187.21 | 96 | 522 | 10.2 | 769.6 | 768.6 | 1.0 |
| DJ | 187.39 | 158 | 987 | 5.4 | 778.6 | 777.6 | 1.0 |
| DK | 187.50 | 147 | 877 | 6.0 | 784.3 | 783.3 | 1.0 |
| DL | 187.61 | 310 | 1,884 | 2.8 | 788.9 | 787.9 | 1.0 |
| DM | 187.87 | 91 | 657 | 7.7 | 793.6 | 792.6 | 1.0 |
| DN | 187.87 | 113 | 727 | 7.0 | 799.7 | 798.7 | 1.0 |
| DO | 187.97 | 233 | 1,041 | 4.9 | 805.0 | 804.0 | 1.0 |
| DP | 188.17 | 261 | 1,339 | 3.8 | 810.4 | 809.4 | 1.0 |
| DQ | 188.33 | 57 | 481 | 10.4 | 814.2 | 813.2 | 1.0 |
| DR | 188.48 | 173 | 896 | 5.4 | 820.9 | 819.9 | 1.0 |
| DS | 188.58 | 102 | 479 | 10.1 | 823.7 | 822.7 | 1.0 |
| DT | 188.70 | 74 | 484 | 9.9 | 828.7 | 827.7 | 1.0 |
| DU | 188.86 | 302 | 1,682 | 2.6 | 835.8 | 834.8 | 1.0 |
| DV | 188.97 | 90 | 488 | 9.1 | 838.7 | 837.7 | 1.0 |
| DW | 189.12 | 127 | 737 | 6.0 | 847.4 | 846.4 | 1.0 |
| DX | 189.61 | 60 | 511 | 8.2 | 879.0 | 878.0 | 1.0 |

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

104

**FLOODWAY DATA**

**CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| DY | 189.89 | 620 | 5,393 | 0.5 | 882.7 | 881.7 | 1.0 |
| DZ | 190.07 | 250 | 1,043 | 2.4 | 883.2 | 882.2 | 1.0 |
| EA | 190.25 | 135 | 554 | 4.5 | 889.1 | 888.1 | 1.0 |
| EB | 190.40 | 148 | 804 | 3.1 | 895.1 | 894.1 | 1.0 |
| EC | 190.53 | 62 | 292 | 8.4 | 901.0 | 900.0 | 1.0 |
| ED | 190.67 | 234 | 1,131 | 2.1 | 906.2 | 905.2 | 1.0 |
| EE | 190.80 | 118 | 511 | 4.7 | 910.7 | 909.7 | 1.0 |
| EF | 190.93 | 162 | 723 | 3.1 | 916.1 | 915.1 | 1.0 |
| EG | 191.08 | 88 | 364 | 6.1 | 922.4 | 921.4 | 1.0 |
| EH | 191.22 | 118 | 561 | 3.9 | 928.7 | 927.7 | 1.0 |
| EI | 191.33 | 22 | 231 | 8.1 | 935.0 | 934.0 | 1.0 |
| EJ | 191.46 | 135 | 767 | 2.4 | 939.4 | 938.4 | 1.0 |
| EK | 192.23 | 260 | 2,052 | 0.8 | 978.3 | 977.3 | 1.0 |
| EL | 192.43 | 79 | 399 | 3.9 | 984.1 | 983.1 | 1.0 |
| EM | 192.58 | 57 | 232 | 6.4 | 995.8 | 994.8 | 1.0 |
| EN | 192.76 | 65 | 299 | 4.8 | 1007.8 | 1006.8 | 1.0 |
| EO | 192.98 | 61 | 115 | 12.4 | 1019.8 | 1018.8 | 1.0 |
| EP | 193.06 | 55 | 255 | 5.1 | 1023.7 | 1022.7 | 1.0 |

[1] Miles above mouth

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Cahaba River (cont'd) | | | | | | | |
| EQ | 193.13 | 61 | 272 | 4.8 | 1028.2 | 1027.2 | 1.0 |
| ER | 193.21 | 45 | 240 | 4.7 | 1032.3 | 1031.3 | 1.0 |
| ES | 193.89 | 245 | 2,735 | 0.4 | 1069.1 | 1068.1 | 1.0 |
| ET | 194.15 | 47 | 200 | 5.6 | 1074.9 | 1073.9 | 1.0 |
| Patton Creek | | | | | | | |
| A | 0.65 | 114 | 2,027 | 3.5 | 403.9[2] | 402.9[2] | 1.0 |
| B | 1.45 | 200 | 3,048 | 2.4 | 414.5[2] | 414.0[2] | 0.5 |
| C | 2.08 | 44 | 1,036 | 6.7 | 415.6[2] | 414.6[2] | 1.0 |
| D | 2.41 | 168 | 1,096 | 5.6 | 418.0[2] | 417.0[2] | 1.0 |
| E | 2.72 | 89 | 704 | 8.5 | 442.5 | 441.5 | 1.0 |
| F | 2.95 | 35 | 339 | 17.8 | 464.7 | 464.5 | 0.2 |
| G | 3.36 | 337 | 3,444 | 1.7 | 489.9 | 488.9 | 1.0 |
| H | 3.82 | 266 | 2,535 | 2.3 | 493.8 | 492.8 | 1.0 |
| I | 4.20 | 465 | 2,933 | 1.9 | 495.2 | 494.2 | 1.0 |
| J | 4.42 | 445 | 2,360 | 2.4 | 497.2 | 496.2 | 1.0 |
| K | 4.73 | 444 | 1,842 | 2.9 | 500.0 | 499.0 | 1.0 |
| L | 5.03 | 142 | 1,214 | 4.3 | 506.3 | 505.3 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

106

**FLOODWAY DATA**

**CAHABA RIVER- PATTON CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Patton Creek (cont'd) | | | | | | | |
| M | 5.48 | 319 | 3,103 | 1.6 | 512.4 | 511.4 | 1.0 |
| N | 5.64 | 97 | 905 | 5.6 | 513.9 | 512.9 | 1.0 |
| O | 5.89 | 230 | 2,044 | 2.0 | 519.4 | 518.4 | 1.0 |
| P | 6.20 | 448 | 3,203 | 1.1 | 520.7 | 519.7 | 1.0 |
| Q | 6.53 | 288 | 898 | 3.5 | 522.9 | 521.9 | 1.0 |
| R | 6.71 | 169 | 1,051 | 3.0 | 524.1 | 523.1 | 1.0 |
| S | 6.78 | 39 | 294 | 6.9 | 524.7 | 523.7 | 1.0 |
| T | 6.94 | 168 | 954 | 2.1 | 527.4 | 526.4 | 1.0 |
| U | 7.09 | 137 | 767 | 2.3 | 531.6 | 530.6 | 1.0 |
| Little Shades Creek (Cahaba River Basin) | | | | | | | |
| A | 0.35 | 92 | 1,162 | 4.6 | 416.5[2] | 415.5[2] | 1.0 |
| B | 0.72 | 543 | 5,556 | 1.0 | 419.0[2] | 418.0[2] | 1.0 |
| C | 0.99 | 398 | 2,280 | 2.3 | 421.0[2] | 420.0[2] | 1.0 |
| D | 1.42 | 418 | 2,465 | 2.1 | 425.6[2] | 424.6[2] | 1.0 |
| E | 1.76 | 352 | 1,515 | 3.2 | 429.1[2] | 428.1[2] | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

## FLOODWAY DATA

## PATTON CREEK- LITTLE SHADES CREEK (CAHABA RIVER BASIN)

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Little Shades Creek (Cahaba River Basin) (cont'd) | | | | | | | |
| F | 2.08 | 154 | 1,055 | 4.6 | 434.7 | 433.7 | 1.0 |
| G | 2.62 | 212 | 1,821 | 2.5 | 442.9 | 441.9 | 1.0 |
| H | 3.01 | 443 | 3,270 | 1.4 | 444.6 | 443.6 | 1.0 |
| I | 3.35 | 167 | 1,005 | 4.4 | 446.8 | 445.8 | 1.0 |
| J | 3.65 | 144 | 772 | 5.7 | 453.9 | 452.9 | 1.0 |
| K | 3.87 | 161 | 852 | 5.0 | 466.0 | 465.0 | 1.0 |
| L | 4.06 | 251 | 905 | 4.7 | 475.3 | 474.3 | 1.0 |
| M | 4.19 | 261 | 1,058 | 3.8 | 489.3 | 488.5 | 0.8 |
| N[2] | 4.41 | 95 | 977 | 4.1 | 513.3 | 512.3 | 1.0 |
| O[2] | 4.54 | 25 | 281 | 12.0 | 518.7 | 517.7 | 1.0 |
| P | 4.70 | 78 | 831 | 4.0 | 526.2 | 525.2 | 1.0 |
| Q | 4.86 | 43 | 352 | 9.3 | 534.1 | 533.1 | 1.0 |
| R | 5.05 | 103 | 712 | 4.5 | 543.7 | 542.7 | 1.0 |
| S | 5.19 | 42 | 375 | 8.2 | 547.3 | 546.3 | 1.0 |
| T | 5.35 | 50 | 349 | 8.7 | 551.9 | 550.9 | 1.0 |
| U | 5.55 | 75 | 563 | 5.4 | 559.6 | 558.6 | 1.0 |

[1] Miles above mouth

[2] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**LITTLE SHADES CREEK (CAHABA RIVER BASIN)**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Little Shades Creek (Cahaba River Basin) (cont'd) | | | | | | | |
| V | 5.74 | 80 | 445 | 5.8 | 567.8 | 566.8 | 1.0 |
| W | 5.89 | 67 | 397 | 6.4 | 574.2 | 573.2 | 1.0 |
| X | 6.02 | 37 | 284 | 8.8 | 581.2 | 580.2 | 1.0 |
| Y[2] | 6.16 | 75 | 707 | 3.4 | 588.7 | 587.7 | 1.0 |
| Z[2] | 6.31 | 71 | 533 | 4.4 | 590.8 | 589.8 | 1.0 |
| AA[2] | 6.52 | 68 | 535 | 4.3 | 594.9 | 593.9 | 1.0 |
| AB[2] | 6.71 | 122 | 1,020 | 2.2 | 596.7 | 595.7 | 1.0 |
| AC | 7.03 | 70 | 757 | 2.8 | 606.8 | 605.8 | 1.0 |
| AD | 7.32 | 53 | 372 | 5.6 | 618.3 | 617.3 | 1.0 |
| Little Cahaba River | | | | | | | |
| A | 9.60 | 754 | 4,998 | 1.8 | 563.9 | 562.9 | 1.0 |
| B | 11.47 | 1,352 | 6,610 | 1.0 | 572.4 | 571.4 | 1.0 |
| C | 12.85 | 205 | 1,296 | 5.0 | 586.0 | 585.0 | 1.0 |
| D | 13.48 | 240 | 2,150 | 3.0 | 593.0 | 592.0 | 1.0 |

[1] Miles above mouth
[2] Floodway outside county limits

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**LITTLE SHADES CREEK (CAHABA RIVER BASIN)-LITTLE CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Little Cahaba River (cont'd) | | | | | | | |
| E | 14.11 | 816 | 4,133 | 1.5 | 598.0 | 597.0 | 1.0 |
| F | 14.75 | 248 | 1,357 | 4.4 | 603.2 | 602.2 | 1.0 |
| G[2] | 15.36 | 591 | 2,834 | 2.1 | 608.0 | 607.0 | 1.0 |
| H[2] | 15.95 | 164 | 1,708 | 3.2 | 610.3 | 609.3 | 1.0 |
| I | 16.33 | 316 | 2,206 | 2.4 | 612.3 | 611.3 | 1.0 |
| J | 16.72 | 366 | 2,482 | 1.6 | 613.7 | 612.7 | 1.0 |
| K | 17.08 | 138 | 1,043 | 3.9 | 617.0 | 616.0 | 1.0 |
| L | 17.60 | 159 | 771 | 5.0 | 621.4 | 620.4 | 1.0 |
| M | 18.03 | 163 | 1,124 | 3.4 | 627.1 | 626.1 | 1.0 |
| N | 18.61 | 447 | 3,093 | 1.2 | 631.1 | 630.1 | 1.0 |
| O | 18.94 | 249 | 1,476 | 2.3 | 632.5 | 631.5 | 1.0 |
| P[2] | 19.48 | 340 | 2,379 | 1.4 | 635.1 | 634.1 | 1.0 |
| Q | 20.01 | 86 | 444 | 7.1 | 638.7 | 637.7 | 1.0 |

[1] Miles above mouth
[2] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

110

**LITTLE CAHABA RIVER**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Dry Creek (Cahaba River Basin) | | | | | | | |
| A | 0.20 | 102 | 757 | 3.7 | 612.2 | 611.2 | 1.0 |
| B | 0.49 | 143 | 1,030 | 2.7 | 615.5 | 614.5 | 1.0 |
| C | 0.68 | 377 | 2,209 | 1.3 | 616.4 | 615.4 | 1.0 |
| D | 1.11 | 18 | 195 | 14.2 | 627.9 | 626.9 | 1.0 |
| E | 1.44 | 257 | 1,887 | 1.5 | 633.7 | 632.7 | 1.0 |
| F | 1.85 | 814 | 4,975 | 0.6 | 636.1 | 635.1 | 1.0 |
| G | 2.24 | 228 | 873 | 3.1 | 639.9 | 638.9 | 1.0 |
| H | 2.55 | 95 | 420 | 5.3 | 647.4 | 646.4 | 1.0 |
| I | 2.71 | 149 | 759 | 2.5 | 650.7 | 649.7 | 1.0 |
| J | 2.93 | 107 | 392 | 4.3 | 654.6 | 653.6 | 1.0 |
| K | 3.08 | 126 | 401 | 4.0 | 661.1 | 660.1 | 1.0 |
| Stinking Creek | | | | | | | |
| A | 0.13 | 61 | 660 | 5.6 | 540.1[2] | 539.1[2] | 1.0 |
| B | 0.31 | 167 | 2,036 | 1.8 | 543.3[2] | 542.3[2] | 1.0 |
| C | 0.54 | 126 | 1,248 | 2.9 | 545.3[2] | 544.3[2] | 1.0 |
| D | 0.69 | 57 | 694 | 5.3 | 546.5[2] | 545.5[2] | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

**TABLE 2**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

**FLOODWAY DATA**

**DRY CREEK (CAHABA RIVER BASIN)- STINKING CREEK**

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| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Stinking Creek (cont'd) | | | | | | | |
| E | 0.85 | 79 | 877 | 4.2 | 548.8[2] | 547.8[2] | 1.0 |
| F | 1.08 | 264 | 2,055 | 1.8 | 551.4[2] | 550.4[2] | 1.0 |
| G | 1.28 | 409 | 3,280 | 0.9 | 552.0[2] | 551.0[2] | 1.0 |
| H | 1.47 | 182 | 1,295 | 2.1 | 552.6[2] | 551.6 | 1.0 |
| I | 2.10 | 62 | 528 | 5.0 | 576.9 | 575.9 | 1.0 |
| J | 2.21 | 53 | 357 | 7.4 | 587.6 | 586.6 | 1.0 |
| K | 2.30 | 57 | 285 | 9.3 | 597.1 | 596.1 | 1.0 |
| L | 2.40 | 34 | 293 | 9.0 | 604.7 | 604.1 | 0.6 |
| M | 2.57 | 38 | 352 | 7.0 | 611.9 | 610.9 | 1.0 |
| N | 2.74 | 106 | 993 | 2.5 | 615.4 | 614.4 | 1.0 |
| O | 2.84 | 33 | 277 | 8.7 | 623.7 | 622.7 | 1.0 |
| P | 3.02 | 43 | 338 | 7.1 | 637.7 | 636.7 | 1.0 |
| Q | 3.16 | 40 | 301 | 7.9 | 653.7 | 652.7 | 1.0 |
| R | 3.28 | 55 | 514 | 4.6 | 661.4 | 660.4 | 1.0 |
| S | 3.39 | 111 | 1,036 | 2.3 | 664.0 | 663.0 | 1.0 |
| T | 3.52 | 28 | 256 | 7.6 | 668.1 | 667.1 | 1.0 |
| U | 4.06 | 79 | 405 | 3.6 | 687.3 | 686.3 | 1.0 |
| V | 4.19 | 126 | 721 | 2.0 | 690.4 | 689.4 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

**JEFFERSON COUNTY, AL**

(UNINCORPORATED AREAS)

112

**FLOODWAY DATA**

**STINKING CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Stinking Creek (cont'd) | | | | | | | |
| W | 5.07 | 422 | 3,605 | 0.5 | 705.0 | 704.0 | 1.0 |
| X | 5.50 | 241 | 1,014 | 1.6 | 705.6 | 704.6 | 1.0 |
| Y | 5.84 | 129 | 686 | 2.3 | 708.3 | 707.3 | 1.0 |
| Z | 6.20 | 137 | 429 | 3.4 | 713.4 | 712.4 | 1.0 |
| Pinchgut Creek | | | | | | | |
| A | 0.20 | 129 | 1,257 | 2.9 | 689.7[2] | 688.7[2] | 1.0 |
| B[3] | 0.47 | 104 | 817 | 4.4 | 690.8[2] | 689.8[2] | 1.0 |
| C[3] | 0.86 | 125 | 2,286 | 1.5 | 695.8 | 694.8 | 1.0 |
| D | 1.09 | 133 | 534 | 6.0 | 698.4 | 697.4 | 1.0 |
| E | 1.40 | 185 | 937 | 3.3 | 704.1 | 703.1 | 1.0 |
| F | 1.70 | 183 | 883 | 3.4 | 707.2 | 706.2 | 1.0 |
| G | 2.02 | 196 | 808 | 3.5 | 712.6 | 711.6 | 1.0 |
| H | 2.41 | 130 | 519 | 5.3 | 721.9 | 720.9 | 1.0 |
| I | 2.82 | 380 | 1,052 | 2.6 | 732.5 | 731.5 | 1.0 |
| J | 2.98 | 298 | 1,428 | 1.9 | 734.3 | 733.3 | 1.0 |
| K | 3.18 | 245 | 1,234 | 2.2 | 737.3 | 736.3 | 1.0 |

[1] Miles above mouth

[2] Elevations computed without consideration of backwater effects

[3] Floodway outside county limits

TABLE 2

**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**JEFFERSON COUNTY, AL**

**(UNINCORPORATED AREAS)**

**FLOODWAY DATA**

**STINKING CREEK-PINCHGUT CREEK**

| FLOODING SOURCE | | FLOODWAY | | | BASE FLOOD WATER SURFACE ELEVATION | | |
|---|---|---|---|---|---|---|---|
| CROSS SECTION | DISTANCE[1] | WIDTH (FT.) | SECTION AREA (SQ. FT.) | MEAN VELOCITY (F.P.S.) | WITH FLOODWAY (NGVD) | WITHOUT FLOODWAY (NGVD) | DIFFERENCE (FT.) |
| Pinchgut Creek (cont'd) | | | | | | | |
| L | 3.39 | 323 | 1,057 | 1.7 | 740.1 | 739.1 | 1.0 |
| M | 3.62 | 122 | 381 | 4.6 | 749.9 | 748.9 | 1.0 |
| N | 3.78 | 119 | 315 | 5.5 | 757.0 | 756.0 | 1.0 |
| O | 3.98 | 66 | 317 | 5.3 | 766.7 | 765.7 | 1.0 |
| P | 4.12 | 77 | 299 | 5.2 | 777.1 | 776.1 | 1.0 |
| Q | 4.24 | 86 | 416 | 3.6 | 784.3 | 783.3 | 1.0 |
| R | 4.40 | 62 | 364 | 3.8 | 790.9 | 789.9 | 1.0 |
| S | 4.57 | 117 | 454 | 3.0 | 797.0 | 796.0 | 1.0 |
| T | 4.78 | 26 | 159 | 7.3 | 808.0 | 807.0 | 1.0 |
| U | 4.98 | 54 | 314 | 3.7 | 819.0 | 818.0 | 1.0 |
| V | 5.17 | 46 | 221 | 5.3 | 833.0 | 832.0 | 1.0 |
| W | 5.29 | 51 | 259 | 4.5 | 842.6 | 841.6 | 1.0 |
| X | 5.41 | 40 | 218 | 5.3 | 856.2 | 855.2 | 1.0 |

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
JEFFERSON COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

PINCHGUT CREEK